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ABSTRACT

This document addresses some of the issues and facts that are a part of the planning process for postsecondary education in Michigan: (1) needs being served by postsecondary education (student pressure, national and state enrollment trends, degrees conferred, and employment and placement); (2) demands being placed on postsecondary education in the state (enrollments, manpower requirements, and prospective student demands); (3) projected demand impact on postsecondary education; and (4) conclusions and recommendations. Among the latter are that: (1) greater detail be developed in enrollment projections; (2) the state develop a policy about educational demand versus educational need; (3) cooperative data collection, data dissemination, and planning be promoted; (4) detailed measures of output be developed; and (5) information exchange be undertaken by professional associations and state agencies concerned with manpower. (Author/MSE)

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ED135283

Postsecondary Educational Needs In Michigan 1975

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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POSTSECONDARY EDUCATIONAL NEEDS IN MICHIGAN 1975

Prepared by - James C. Homan
Higher Education Management
Michigan Department of Education
May, 1975

FOREWORD

This report is a continuation of the planning effort undertaken in 1973 in response to the second basic responsibility of the State Board of Education regarding the planning and coordination of postsecondary education in Michigan. More specifically, it is the responsibility of the State Board of Education to develop a statewide system for collecting appropriate information from both public and private institutions to be used in long-range planning. Included in this planning is the projection of enrollments and the relating of present and future manpower needs of the state to the programs and services provided by the institutions.

This document updates enrollment reports, projections, degrees conferred and manpower needs, interprets the demand that will be placed on postsecondary education in the future, and makes recommendations for the improvement of the planning process.

JOHN W. PORTER
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TABLE OF CONTENTS

INTRODUCTION 1

PART I - NEEDS BEING SERVED 2
New Student Pressure 3
Enrollments 12
National Trends - Higher Education 12
State Trends - Higher Education 12
State Trends - Other Postsecondary Education 31
Graduations and Completions 31
Higher Education 33
Other Postsecondary Education 44
Employment and Placement 44
Higher Education 45
Other Postsecondary Education 45

PART II - DEMANDS BEING PLACED UPON POSTSECONDARY EDUCATION IN MICHIGAN 47
Enrollments 47
Manpower Requirements 53
Prospective Student Demands 56

PART III - PROJECTED DEMAND IMPACT ON POSTSECONDARY EDUCATION . . . 56

PART IV - CONCLUSIONS AND RECOMMENDATIONS 57

INTRODUCTION

Planning for postsecondary education requires an understanding of the people, their needs, and the resources available to meet those needs. In recent years postsecondary education has experienced many and complex changes which have affected the style and content of educational offerings. Underlying these changes has been the greater importance of manpower training, the increased competition for monies that have traditionally supported education, and the changing mix of student types.

This document addresses some of the issues and facts that are a part of the planning process concerned with postsecondary education in the State of Michigan. Specifically, the document is divided into four parts: Needs Being Served by Postsecondary Education in Michigan; Demands Being Placed Upon Postsecondary Education in Michigan; Projected Demand Impact Upon Postsecondary Education in Michigan; and Conclusions and Recommendations.

Goal 1 of the State Plan for Higher Education in Michigan calls for the "orderly development of a comprehensive state system of education beyond the secondary level that will effectively and efficiently serve all the needs of the state." The challenge is to develop a system of postsecondary education that will meet this goal.

Part I

Needs Being Served by Postsecondary Education in Michigan

The need for postsecondary education in the state is an amorphous concept that defies easy measurement. In strict manpower terms, there is a defineable group that must have postsecondary training to perform the tasks necessary in their position. This basic need, however, is quickly expanded when individuals desire more education than they might use in their working life, when individuals seek education in areas outside of their working life, and when individuals are seen as needing a general, or liberal arts, education to fully and actively participate in the governmental process we call democracy.

Actual demand for postsecondary education in the state is a more easily defined concept that lends itself to measurement. Demand can be measured by the numbers of potential students seeking admission, actually enrolling in coursework, or, of those completing a sequence of post-secondary work, how many actually find jobs that relate to their training. It is recognized that demand is a poor substitute for measurement of the need for postsecondary education, but present practice and technology does not easily allow for accurate measurement of true need. In addition, the measurement of demand overlooks several important factors that have an impact on itself. Cost, availability of desired programs, general economic climate, job markets, and changing perceptions of the worth of education are not addressed in demand measurements.

New Student Pressure

Tables 1 and 2 report the demand placed upon the public and private institutions of higher education during the fall of 1973 and 1974. The average acceptance rate at the public baccalaureate institutions was 83% in 1973 and 86% in 1974. The average acceptance rate at the public two year colleges was 100% in 1973 and 82% in 1974. These figures reflect only the ratio of completed applications to acceptances and do not address the issue of the qualifications of the applicants. The private colleges were as selective of their applicants as the public baccalaureate institutions -the 1973 average was 83% and the 1974 average was 85%. The range of acceptance ratios was greater, however, in the private institutions. The ratio ranged from a low of 18% to a high of 100%.

Tables 3 and 4 report the acceptance pressure placed upon the public and private institutions of higher education during the fall of 1973 and 1974. The average number of accepted students that actually enrolled in the public baccalaureate institutions was 62% in 1973 and 63% in 1974. The public two year institutions had an average of 82% in 1973 and 1974. Private colleges had an average of 69% in 1973 and 68% in 1974. These figures quite possibly reflect the amount of multiple applications that prospective students filed. While a certain percentage of the no-shows probably changed their plans between the time of acceptance and enrollment, it appears that the major portion of them were able to pick the institution of their choice from several offers.

TABLE 1

UNDERGRADUATE APPLICATION PRESSURE PLACED UPON PUBLIC INSTITUTIONS

INSTITUTION NAME	FOR FALL TERM 1973 COMPLETED APPLICATIONS	APPLICATIONS ADMITTED	RATIO	FOR FALL TERM 1974 COMPLETED APPLICATIONS	APPLICATIONS ADMITTED	RATIO
PUBLIC FOUR YEAR						
Central Michigan University	7,353	6,707	.91	7,066	6,311	.89
Eastern Michigan University	7,115	6,701	.94	7,164	6,774	.95
Ferris State College	7,348	6,136	.84	7,021	6,116	.87
Grand Valley State Colleges	N.A.	N.A.	N.A.	3,289	3,063	.93
Lake Superior State College	1,036	941	.91	1,192	1,099	.92
Michigan State University	22,701	17,144	.76	23,639	17,527	.74
Michigan Technological University	2,342	2,223	.95	2,755	2,590	.94
Northern Michigan University	4,436	3,846	.87	4,613	4,380	.95
Oakland University	3,405	3,130	.92	4,489	4,049	.90
Saginaw Valley College	1,175	941	.80	1,339	1,292	.96
University of Michigan-Ann Arbor	12,699	9,386	.74	12,487	9,483	.76
University of Michigan-Dearborn	1,908	1,883	.99	2,342	2,266	.97
University of Michigan-Flint	1,260	1,203	.95	1,207	1,180	.98
Wayne State University	8,666	7,448	.86	9,051	8,137	.90
Western Michigan University	8,857	7,465	.84	9,313	8,797	.94
TOTAL	90,301	75,154	.83	96,967	83,064	.86
PUBLIC TWO YEAR						
Alpena Community College	904	902	1.00	1,027	1,027	1.00
Bay de Noc Community College	504	504	1.00	652	652	1.00
Delta College	3,042	3,002	.99	3,686	3,660	.99
Glen Oaks Community College	436	423	.97	469	469	1.00
Gogebic Community College	531	530	1.00	594	578	.97
Grand Rapids Jr. College	2,925	2,925	1.00	3,211	3,211	1.00
Henry Ford Community College	3,481	3,481	1.00	4,102	4,100	1.00
Highland Park Community College	1,272	1,272	1.00	1,102	1,107	1.00
Jackson Community College	989	989	1.00	785	785	1.00
Kalamazoo Valley Community College	3,210	3,192	.99	3,044	3,042	1.00
Kellogg Community College	1,078	1,078	1.00	1,565	1,565	1.00
Kirtland Community College	555	496	.89	538	494	.92
Lake Michigan Community College	982	982	1.00	1,064	1,059	1.00
Lansing Community College	4,933	4,933	1.00	6,349	6,344	1.00
Macomb County Community College-Total	13,899	13,899	1.00	15,533	14,935	.96

TABLE 1 (Continued)

Macomb County Community College-Center Campus	3,269	3,269	1.00	3,839	3,839	1.00
Macomb County Community College-South Campus	10,630	10,630	1.00	11,696	11,096	.95
Mid Michigan Community College	464	433	.93	611	555	.91
Monroe County Community College	789	789	1.00	783	783	1.00
Montcalm Community College	643	643	1.00	318	318	1.00
Mott Community College	5,167	5,167	1.00	4,441	4,371	.98
Muskegon County Community College	1,873	1,873	1.00	2,086	2,086	1.00
North Central Michigan College	441	441	1.00	495	495	1.00
Northwestern Michigan College	1,637	1,462	.89	1,748	1,575	.90
Oakland Community College	6,046	6,046	1.00	4,266	4,266	1.00
Oakland Community College-Auburn Hills	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Oakland Community College-Highland Lakes	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Oakland Community College-Orchard Ridge	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Oakland Community College-Southeast Campus	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
St. Clair County Community College	1,372	1,372	1.00	1,629	1,629	1.00
Schoolcraft College	3,234	3,234	1.00	3,594	3,594	1.00
Southwestern Michigan College	684	684	1.00	699	699	1.00
Washtenaw Community College	2,127	2,127	1.00	2,546	2,546	1.00
Wayne County Community College	13,064	13,064	1.00	5,445	5,445	1.00
West Shore Community College	361	361	1.00	413	413	1.00
TOTAL	76,643	76,304	1.00	72,802	71,803	.82

SOURCE: Michigan Association of Collegiate Registrars and Admissions Officers (MACRAO) Annual Report

PREPARED BY: Higher Education Management Services January, 1975

TABLE 2

UNDERGRADUATE APPLICATION PRESSURE PLACED UPON PRIVATE INSTITUTIONS

INSTITUTION NAME	FOR FALL TERM 1973 COMPLETED APPLICATIONS	FOR FALL TERM 1973 APPLICATIONS ADMITTED	FOR FALL TERM 1973 RATIO	FOR FALL TERM 1974 COMPLETED APPLICATIONS	FOR FALL TERM 1974 APPLICATIONS ADMITTED	FOR FALL TERM 1974 RATIO
Adrian College	798	746	.93	769	692	.90
Albion College	1,375	1,256	.91	1,267	1,158	.91
Alma College	717	619	.86	763	671	.88
Andrews University	743	735	.99	1,034	1,032	1.00
Aquinas College	574	569	.99	589	580	.98
Calvin College	1,499	1,485	.99	1,527	1,514	.99
Cleary College	296	296	1.00	197	197	1.00
Concordia Lutheran Junior College	352	342	.97	331	323	.98
Cranbrook Academy of Art	83	12	.14	33	6	.18
Davenport College of Business	763	763	1.00	834	834	1.00
Detroit Bible College	102	98	.96	128	127	.99
Detroit College of Business	497	497	1.00	765	765	1.00
Detroit College of Law	1,175	345	.29	922	266	.29
Detroit Institute of Technology	646	596	.92	741	685	.92
Duns Scotus College	30	26	.87	57	30	.58
General Motors Institute	3,242	780	.24	2,732	749	.27
Grace Bible College	56	54	.96	69	69	1.00
Grand Rapids Baptist College	354	333	.94	387	377	.97
Hillsdale College	801	661	.83	754	654	.87
Hope College	1,071	1,028	.96	1,126	1,094	.97
John Wesley College	302	299	.99	465	461	.99
Kalamazoo College	929	785	.84	1,006	839	.83
Lawrence Institute of Technology	1,315	1,315	1.00	1,595	1,590	1.00
Madonna College	600	530	.88	624	586	.94
Maryglade College	20	20	1.00	N.A.	N.A.	N.A.

TABLE 2 (Continued)

Marygrove College	490	411	.84	436	340	.78
Mercy College of Detroit	866	820	.95	927	883	.95
Merrill-Palmer Institute	96	79	.82	43	41	.95
Michigan Christian Jr. Colleg	120	120	1.00	192	189	.98
Muskegon Business College	306	303	.99	N.A.	N.A.	N.A.
Nazareth College	298	261	.88	206	182	.88
Northwood Institute	916	847	.92	938	901	.96
Olivet College	551	522	.95	525	507	.97
Reformed Bible College	124	122	.98	90	90	1.00
Sacred Heart Seminary	35	34	.97	33	33	1.00
St. Mary's College	43	43	1.00	51	51	1.00
Shaw College at Detroit	871	871	1.00	1,129	1,129	1.00
Siena Heights College	395	389	.98	596	583	.98
Society of Arts and Crafts	251	206	.82	313	286	.91
Spring Arbor College	397	387	.97	456	439	.96
Suomi College	400	392	.98	527	521	.99
University of Detroit	1,278	1,278	1.00	1,933	1,445	.75
Walsh College	311	303	.97	332	332	1.00
Western Theological Seminary	42	42	1.00	62	62	1.00
TOTAL	26,130	21,620	.83	27,504	23,313	.85

SOURCE: Michigan Association of Collegiate Registrars and Admissions Officers (MACRAO) Annual Report

PREPARED BY: Higher Education Management Services January, 1975

TABLE 3

UNDERGRADUATE ACCEPTANCE PRESSURE PLACED UPON PUBLIC INSTITUTIONS

INSTITUTION NAME	FOR FALL TERM 1973 APPLICANTS OFFERED ADMISSION	APPLICANTS ACTUALLY ENROLLED	RATIO	FOR FALL TERM 1974 APPLICANTS OFFERED ADMISSION	APPLICANTS ACTUALLY ENROLLED	RATIO
PUBLIC FOUR YEAR						
Central Michigan University	6,707	4,118	.61	6,311	4,098	.65
Eastern Michigan University	6,701	4,014	.60	6,774	4,040	.60
Ferris State College	6,136	3,326	.54	6,116	3,607	.59
Grand Valley State Colleges	N.A.	N.A.	N.A.	3,063	2,551	.83
Lake Superior State College	941	634	.67	1,099	728	.66
Michigan State University	17,144	9,693	.57	17,527	9,786	.56
Michigan Technological University	2,223	1,609	.72	2,590	1,868	.72
Northern Michigan University	3,846	2,406	.63	4,380	2,328	.53
Oakland University	3,130	2,274	.73	4,049	2,925	.72
Saginaw Valley College	941	579	.62	1,292	814	.63
University of Michigan-Ann Arbor	9,386	5,698*	.61	9,483	6,020	.63
University of Michigan-Dearborn	1,883	1,298	.69	2,266	1,771	.78
University of Michigan-Flint	1,203	928	.77	1,180	879	.74
Wayne State University	7,448	4,721	.63	8,137	5,397	.66
Western Michigan University	7,465	5,069	.68	8,797	5,256	.60
TOTAL	75,154	46,367	.62	83,064	52,068	.63
*Does not include school of Business Administration						
PUBLIC TWO YEAR						
Alpena Community College	902	673	.75	1,027	789	.77
Bay de Noc Community College	504	460	.91	652	548	.84
Delta College	3,002	2,420	.81	3,660	3,045	.83
Glen Oaks Community College	423	400	.95	469	469	1.00
Gogebic Community College	530	464	.88	578	551	.95
Grand Rapids Jr. College	2,925	2,600	.89	3,211	2,876	.90
Henry Ford Community College	3,481	2,500	.72	4,100	2,915	.71
Highland Park Community College	1,272	816	.64	1,107	776	.70
Jackson Community College	989	905	.92	785	649	.83
Kalamazoo Valley Community College	3,192	2,046	.64	3,042	2,334	.77
Kellogg Community College	1,078	782	.73	1,565	988	.63
Kirtland Community College	496	405	.82	494	[illegible]	.80
Lake Michigan Community College	982	686	.70	1,059	[illegible]	.71
Lansing Community College	4,933	4,383	.89	6,344	5,325	.84
Macomb County Community College-Total	13,899	9,853	.71	14,935	10,931	.73

TABLE 3 (Continued)

Macomb County Community College-Center Campus	3,269	2,116	.65	3,839	2,448	.64
Macomb County Community College-South Campus	10,630	7,737	.73	11,096	8,483	.76
Mid Michigan Community College	433	396	.91	555	525	.95
Monroe County Community College	789	723	.92	783	735	.94
Montcalm Community College	643	583	.91	318	300	.94
Mott Community College	5,167	3,867	.75	4,371	3,309	.76
Muskegon County Community College	1,873	1,408	.75	2,086	1,793	.86
North Central Michigan College	441	352	.80	492	424	.86
Northwestern Michigan College	1,462	1,042	.71	1,575	1,088	.69
Oakland Community College	6,046	5,089	.84	4,266	4,266	1.00
Oakland Community College-Auburn Hills	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Oakland Community College-Highland Lakes	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Oakland Community College- Orchard Ridge	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Oakland Community College-Southeast Campus	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
St. Clair County Community College	1,372	1,116	.81	1,629	1,228	.75
Schoolcraft College	3,234	2,581	.80	3,594	3,406	.95
Southwestern Michigan College	684	533	.78	699	562	.80
Washtenaw Community College	2,127	1,833	.86	2,546	2,254	.89
Wayne County Community College	13,064	13,064	1.00	5,445	5,445	1.00
West Shore Community College	361	304	.84	413	348	.84
TOTAL	76,304	62,284	.82	71,803	58,997	.82

SOURCE: Michigan Association of Collegiate Registrars and Admissions Officers (MACRAO) Annual Report

PREPARED BY: Higher Education Management Services January, 1975

TABLE 4

UNDERGRADUATE ACCEPTANCE PRESSURE PLACED UPON PRIVATE INSTITUTIONS

INSTITUTION NAME	FOR FALL TERM 1973 APPLICANTS OFFERED ADMISSION	FOR FALL TERM 1973 APPLICANTS ACTUALLY ENROLLED	FOR FALL TERM 1973 RATIO	FOR FALL TERM 1974 APPLICANTS OFFERED ADMISSION	FOR FALL TERM 1974 APPLICANTS ACTUALLY ENROLLED	FOR FALL TERM 1974 RATIO
Adrian College	746	407	.55	692	336	.49
Albion College	1,256	633	.50	1,158	578	.50
Alma College	619	366	.59	671	394	.59
Andrews University	735	651	.89	1,032	651	.63
Aquinas College	569	378	.66	580	407	.70
Calvin College	1,485	1,208	.81	1,514	1,208	.80
Cleary College	296	261	.88	197	146	.74
Concordia Lutheran Junior College	342	271	.79	323	264	.82
Cranbrook Academy of Art	12	12	1.00	6	5	.83
Davenport College of Business	763	611	.80	834	716	.86
Detroit Bible College	98	85	.87	127	92	.72
Detroit College of Business	497	366	.74	765	690	.90
Detroit College of Law	345	178	.52	266	189	.71
Detroit Institute of Technology	596	433	.73	685	458	.67
Duns Scotus College	26	24	.92	30	30	1.00
General Motors Institute	780	780	1.00	749	728	.97
Grace Bible College	54	46	.85	69	60	.87
Grand Rapids Baptist College	333	274	.82	377	309	.82
Hillsdale College	661	350	.53	654	350	.54
Hope College	1,028	588	.57	1,094	670	.61
John Wesley College	299	270	.90	461	340	.74
Kalamazoo College	785	448	.57	839	488	.58
Lawrence Institute of Technology	1,315	976	.74	1,590	1,125	.71
Madonna College	530	404	.76	586	420	.72
Marygiade College	20	17	.85	N.A.	N.A.	N.A.

TABLE 4 (Continued)

Marygrove College	411	251	.61	340	208	.61
Mercy College of Detroit	820	481	.59	883	509	.58
Merrill-Palmer Institute	79	68	.86	41	33	.80
Michigan Christian Jr. College	120	108	.90	189	151	.80
Muskegon Business College	303	248	.82	N.A.	N.A.	N.A.
Nazareth College	261	152	.58	182	118	.65
Northwood Institute	847	580	.68	901	560	.62
Olivet College	522	311	.60	507	288	.57
Reformed Bible College	122	99	.81	90	77	.86
Sacred Heart Seminary	34	27	.74	33	25	.76
St. Mary's College	43	35	.81	51	32	.63
Shaw College at Detroit	871	427	.49	1,129	646	.57
Siena Heights College	389	293	.75	583	422	.72
Society of Arts and Crafts	206	154	.75	286	224	.78
Spring Arbor College	387	274	.71	439	322	.73
Sacad College	392	185	.47	521	268	.51
University of Detroit	1,278	881	.69	1,445	960	.66
Walsh College	303	240	.79	332	258	.78
Western Theological Seminary	42	36	.86	62	57	.92
TOTAL	21,620	14,887	.69	23,313	15,812	.68

SOURCE: Michigan Association of Collegiate Registrars and Admissions Officers (MACRAO) Annual Report

PREPARED BY: Higher Education Management Services January, 1975

Comparing the total number of students accepted from 1973 and 1974, there was an increase of 2.18% in the number of completed applications - from 193,074 in 1973 to 197,273 in 1974 - but a 2.95% increase in those actually admitted from the applicant pool. The number of new students that actually appeared for registration also increased but at a slightly lower rate - an increase of 2.70% by moving from 123,538 in 1973 to 126,877 in 1974.

Enrollments

National Trends - Higher Education

Table 5 is a preliminary report of the nationwide enrollment trends from 1973 to 1974. Overall, enrollments increased by 5.5% from 1973 to 1974. This overall average, however, masks the large differences in the changes experienced by different types of higher education. The major universities increased by only 1.9% when all of its branch campuses are considered and 2.3% when only the major campus was considered. Other four year institutions increased by 3.6%. The major change in enrollments came from the two year sector where the increase was 11.9%. There appears to be no consistent pattern in the differences between public and private institutions as various sub-categories of students are considered. The one consistent pattern that does emerge, however, is the increase in the enrollment of women on a part-time basis.

State Trends - Higher Education

As is shown in Table 6, opening fall enrollments of degree credit students at institutions of higher education in Michigan, both public

TABLE 5

National Center for Education Statistics
Office of the Assistant Secretary
for Education

SUMMARY TABLE, AGGREGATE UNITED STATES
FALL 1973 AND FALL 1974

PREPUBLICATION RELEASE
Preliminary data,
November 1974

OPENING FALL ENROLLMENT IN HIGHER EDUCATION, BY CONTROL OF INSTITUTION AND SEX AND ATTENDANCE STATUS OF STUDENTS

INSTITUTIONAL CATEGORY,* YEAR, AND PERCENT CHANGE	TOTAL ENROLLMENT** ALL INSTITUTIONS	PUBLICLY CONTROLLED INSTITUTIONS					PRIVATELY CONTROLLED INSTITUTIONS				
		ALL STUDENTS				FIRST-TIME STUDENTS	ALL STUDENTS				FIRST-TIME STUDENTS
		MEN		WOMEN			MEN		WOMEN		
		FULL-TIME	PART-TIME	FULL-TIME	PART-TIME		FULL-TIME	PART-TIME	FULL-TIME	PART-TIME	
1	2	3	4	5	6	7	8	9	10	11	12
ALL INSTITUTIONS, total											
1974	10,231,878	2,714,336	1,598,107	2,046,755	1,580,579	1,021,645	961,476	346,844	708,003	266,[illegible]	157,780
1973	9,691,297	2,662,749	1,566,911	1,961,722	1,387,025	1,800,931	947,451	337,053	684,[illegible]	256,[illegible]	847,169
Percent change	5.5	1.9	8.9	4.3	14.6	6.7	1.5	2.9	3.4	8.1	[illegible]
UNIVERSITIES, total (codes 1,4,5)											
1974	5,255,648	1,095,952	340,417	778,575	310,681	407,853	330,060	126,845	187,614	[illegible]	[illegible]
1973	5,193,399	1,101,044	330,526	754,969	291,146	391,442	327,160	124,605	[illegible]	[illegible]	[illegible]
Percent change	1.9	-0.5	3.0	3.1	6.7	4.2	0.9	1.8	6.4	[illegible]	[illegible]
Univ units (code 1)											
1974	2,718,050	905,362	249,497	633,539	227,102	303,361	310,947	122,185	178,914	[illegible]	96,679
1973	2,656,153	906,637	248,189	610,953	211,231	294,168	307,584	120,110	168,225	[illegible]	91,996
Percent change	2.3	-0.1	0.5	3.7	7.5	3.1	1.1	1.7	6.4	[illegible]	5.1
4 yr units (code 4)											
1974	442,023	158,273	72,803	120,172	63,350	70,263	9,113	4,658	8,700	[illegible]	[illegible]
1973	445,197	162,652	74,185	120,144	61,615	65,360	9,576	4,495	8,147	[illegible]	[illegible]
Percent change	-0.7	-2.7	-1.9	0.02	2.8	7.5	-4.8	3.6	6.8	[illegible]	5.6
2-yr units (code 5)											
1974	95,525	32,317	18,117	24,864	[illegible]	34,229					
1973	92,049	31,755	18,152	23,872	[illegible]	31,814					
Percent change	3.8	1.8	[illegible]	4.1	[illegible]	7.6					
OTHER 4-YR INSTS,[2] total (codes 2,6)											
1974	3,700,256	806,751	363,944	704,468	394,210	376,545	599,276	204,121	469,243	[illegible]	300,991
1973	3,573,081	798,204	343,278	681,681	362,965	348,589	586,216	198,158	456,883	[illegible]	293,053
Percent change	3.6	1.1	6.0	3.3	8.6	7.7	2.2	3.0	2.7	[illegible]	2.7
4-yr units (code 2)											
1974	3,688,336	805,024	363,333	702,999	393,472	375,451	597,056	202,952	466,589	[illegible]	297,195
1973	3,561,237	796,475	341,823	680,236	362,255	346,575	583,874	197,129	454,515	[illegible]	291,187
Percent change	3.6	1.1	6.0	3.3	8.6	7.8	2.3	3.0	2.7	[illegible]	2.1

TABLE 5 (Continued)

2-yr units (code 6)												
	1974	11,920	1,727	611	1,469	758	2,091	2,220	1,169	2,731	1,253	5,506
	1973	11,844	1,731	455	1,445	730	2,014	2,342	1,029	2,568	1,563	1,866
Percent change		0.6	-0.2	34.3	1.7	3.9	3.8	-5.2	13.6	6.3	19.9	92.7
2-YR INSTS, total (code 3)	1974	3,275,974	811,633	893,746	561,714	881,688	1,136,247	42,340	15,880	51,146	12,817	57,158
	1973	2,927,817	763,501	783,107	525,072	732,914	1,060,900	44,075	14,290	51,508	13,550	59,531
Percent change		11.9	6.3	14.1	7.4	20.7	7.1	-3.9	11.1	-0.7	-5.4	-3.9
All 4-year units (codes 2,4)	1974	4,130,409	963,297	436,136	823,171	456,822	443,717	606,169	207,610	475,209	161,435	300,076
	1973	4,006,434	959,125	417,008	800,380	423,900	412,035	593,450	201,624	462,462	148,485	288,776
Percent change		3.1	0.4	4.6	2.8	7.8	7.7	2.1	3.0	2.8	8.1	3.9
All 2-year units (codes 3,5,6)	1974	3,383,419	845,677	912,474	590,845	905,655	1,174,567	44,560	17,049	53,877	14,070	61,031
	1973	3,031,710	796,987	801,714	550,589	751,894	1,094,728	46,417	15,319	54,076	15,913	61,397
Percent change		11.6	6.1	13.8	7.2	20.4	7.3	-4.0	11.3	-0.4	-5.6	-0.6

*Individual institutions, branches, or other reporting units are categorized on the basis of the programs in those units without regard for the category of the parent, or other related units, although the relationships among units are recognized in the categorization. The six categories and their code numbers are:

Code 1 - A university unit, excluding its 4-year and 2-year branches
Code 2 - A 4-year unit which is not a university or part of a university, excluding its 2-year branches
Code 3 - A 2-year unit which is not a branch or campus of a university or any other 4-year institution
Code 4 - A 4-year branch of a multicampus university
Code 5 - A 2-year branch of a multicampus university
Code 6 - A 2-year branch of a 4-year multicampus institution which is not a university

In the table above, these six categories are shown both separately and in combination to make up the traditional three way classification of universities, other 4-year institutions, and 2-year institutions. Also, data are combined in still a different way to show enrollment in all 4-year (nonuniversity) units and in all 2-year units, without regard for relationship to other units. Combinations of the six basic data codes are shown below:

Universities - Sum of codes 1, 4, and 5
Other 4-year institutions - Sum of codes 2 and 6
2-year institutions - Code 3 only
All other 4-year units - Sum of codes 2 and 4
All 2-year units - Sum of codes 3, 5, and 6

The institutional level categories represented in the tables that follow are based on university units excluding other 4 year and 2-year branches, other 4-year institutions and their 4-year branches plus the other 4-year branches of universities, and 2-year institutions plus the 2-year branches of all levels of institutions.

**Of the 8 nonrespondents, 6 are Rabbinical schools in the State of New York, whose combined enrollment was 1,755 in 1973; the other 2 are located in Nevada and Puerto Rico. For the nonrespondent institutions, 1973 enrollments have been substituted into the 1974 totals.

Table 6

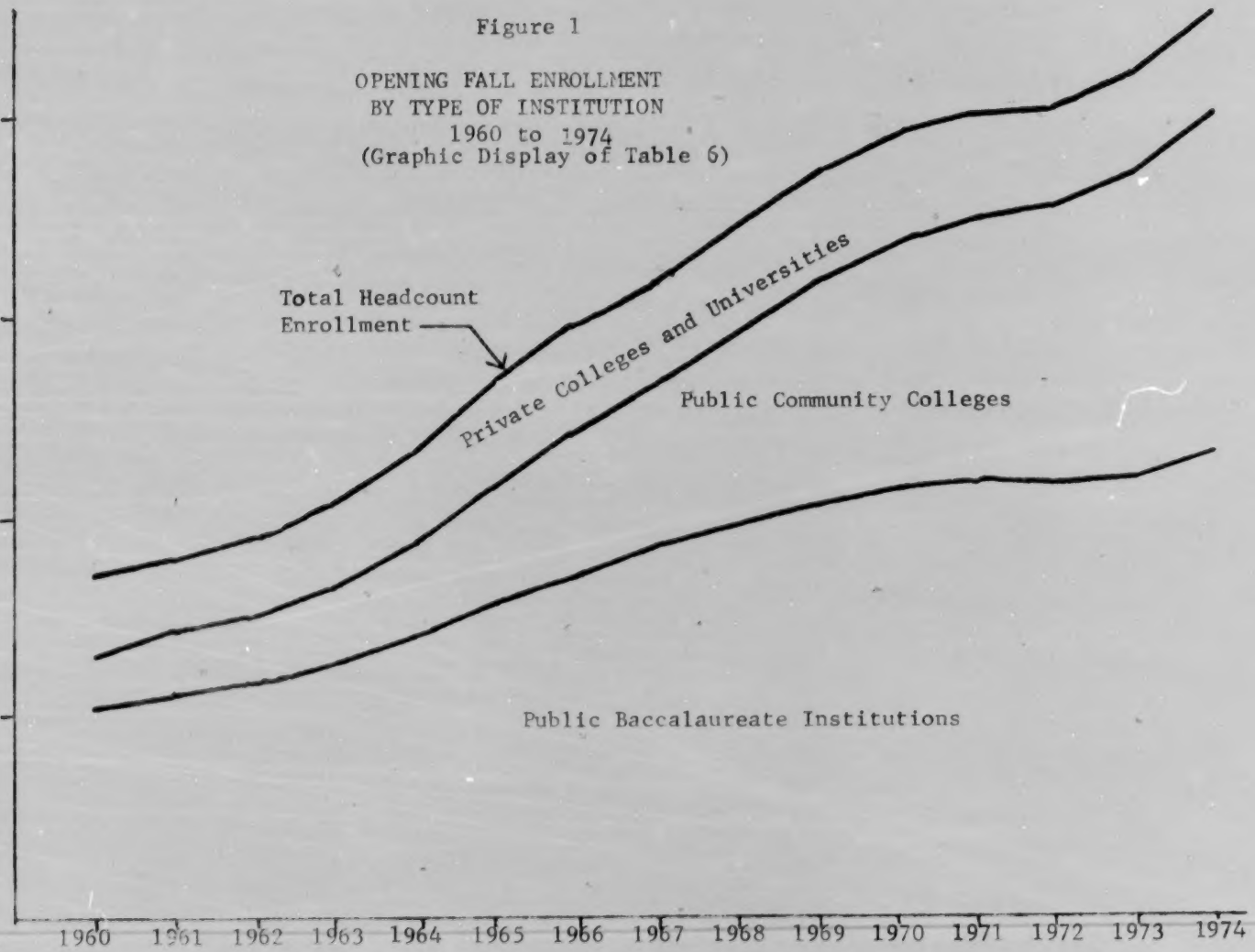
OPENING FALL ENROLLMENT
DEGREE CREDIT STUDENTS
BY TYPE OF INSTITUTION
1960 to 1974 *

Year	Total	Public 4-Year Institutions	Public 2-Year Institutions	Private Institutions
1960	171,285	107,658	27,229	36,398
1961	181,979	112,082	31,619	38,278
1962	193,890	119,834	34,356	39,700
1963	207,725	129,113	38,001	40,611
1964	232,709	143,114	36,123	43,472
1965	268,424	162,312	58,216	47,896
1966	295,445	176,487	69,496	49,462
1967	317,867	187,708	79,698	50,461
1968	344,261	198,419	95,965	50,777
1969	374,381	208,323	115,299	50,759
1970	395,703	217,802	125,553	52,348
1971	403,559	220,165	132,059	51,335
1972	406,042	218,727	136,657	50,658
1973	425,768	221,893	152,715	51,160
1974	458,543	229,627	173,643	55,273

Source: Higher Education General Information Survey

Figure 1

OPENING FALL ENROLLMENT
BY TYPE OF INSTITUTION
1960 to 1974
(Graphic Display of Table 6)



and private, reached a total of 458,543 in 1974. Included in this total are 229,627 in public four-year institutions, 173,643 in public two-year institutions, and 55,273 in private institutions. The numbers of students enrolled is graphically illustrated in Figure 1.

Table 7 shows the increase in total enrollments from 1973 to 1974 of 32,775, the largest headcount increase in nine years, with most of the increase accounted for by the public two-year institutions. (Their increase, 20,928 higher than in 1973, was the largest since comparable data has been recorded in 1961.) Private colleges also had the largest increase of students since 1965.

Percentage changes from year to year are shown in Table 8. The total increase of 7.7% between 1973 and 1974 was the largest increase in eight years. The two year institutions increased their enrollments somewhat over the previous year while the private colleges showed the largest percentage gain since 1965.

Table 9 shows the percentage distribution of students by type of institution for each of the years from 1960 to 1974. The public four year institutions and the private institutions continued their decline in the percentage of students they enroll while the two year institutions gained another 1.8%.

Tables 10 through 14 show a comparison between opening fall enrollments at each institution for the years 1972 through 1974. For each type of institution, public four year, public two year, and private, the

Table 7

CHANGE IN OPENING FALL ENROLLMENT
BY TYPE OF INSTITUTION
1961 to 1974 *

Year	Total	Public 4-Year Institutions	Public 2-Year Institutions	Private Institutions
1961	+10,694	+ 4,424	+ 4,390	+ 1,880
1962	+ 11,911	+ 7,752	+ 2,737	+ 1,422
1963	+ 13,835	+ 9,279	+ 3,645	+ 911
1964	+ 24,984	+ 14,001	+ 8,122	+ 2,861
1965	+ 35,715	+ 19,198	+ 12,093	+ 4,424
1966	+ 27,021	+ 14,175	+ 11,280	+ 1,566
1967	+ 22,422	+ 11,221	+ 10,202	+ 999
1968	+ 27,294	+ 10,711	+ 16,267	+ 316
1969	+ 29,220	+ 9,904	+ 19,334	(18)
1970	+ 21,322	+ 9,479	+ 10,254	+ 1,589
1971	+ 7,856	+ 2,363	+ 6,506	(1,013)
1972	+ 2,478	(1,438)	+ 4,598	(677)
1973	+ 18,809	+ 3,226	+ 15,081	+ 502
1974	+ 32,775	+ 7,734	+ 20,928	+ 4,113

* Source - Higher Education General Information Survey

( ) Indicates decline

Table 8

PERCENTAGE CHANGE IN OPENING FALL ENROLLMENT
BY TYPE OF INSTITUTION
1961 to 1974 **

Year	Total	Public 4-Year Institutions	Public 2-Year Institutions	Private Institutions
1961	+ 6.2	+ 4.1	+ 16.1	+ 5.2
1962	+ 6.5	+ 6.9	+ 8.7	+ 3.7
1963	+ 7.1	+ 7.7	+ 10.6	+ 2.3
1964	+ 12.0	+ 10.8	+ 21.4	+ 7.0
1965	+ 15.3	+ 13.4	+ 26.2	+ 10.2
1966	+ 10.1	+ 8.7	+ 19.4	+ 3.3
1967	+ 7.6	+ 6.4	+ 14.7	+ 2.0
1968	+ 8.6	+ 5.7	+ 20.4	+ 0.6
1969	+ 8.5	+ 5.0	+ 20.2	*
1970	+ 5.7	+ 3.5	+ 8.9	+ 3.1
1971	+ 2.0	+ 1.1	+ 5.2	(1.9)
1972	+ 0.6	(0.7)	+ 3.5	(1.3)
1973	+ 4.9	+ 1.4	+ 11.8	+1.0
1974	+ 7.7	+ 3.5	+ 13.7	+8.0

* Decrease of less than 0.05%

** Source: Higher Education General Information Survey

() Indicates decline

Table 9

PERCENTAGE DISTRIBUTION OF OPENING FALL ENROLLMENT
BY TYPE OF INSTITUTION
1960 to 1974 *

Year	Total	Public 4-Year Institutions	Public 2-Year Institutions	Private Institutions
1960	100.0	62.9	15.9	21.2
1961	100.0	61.6	17.4	21.0
1962	100.0	61.8	17.7	20.5
1963	100.0	62.1	18.3	19.6
1964	100.0	61.5	19.8	18.7
1965	100.0	60.5	21.7	17.8
1966	100.0	59.7	23.5	16.8
1967	100.0	59.0	25.1	15.9
1968	100.0	57.6	27.6	14.8
1969	100.0	55.6	30.8	13.6
1970	100.0	55.1	31.7	13.2
1971	100.0	54.6	32.7	12.7
1972	100.0	53.8	33.7	12.5
1973	100.0	52.1	35.9	12.0
1974	100.0	50.1	37.9	12.1

Source: Higher Education General Information Survey

Tables first report headcount enrollments and then the full-time equivalent of that headcount. The lack of precise definitions for determining full-time equivalent enrollments in the reporting process make comparisons to prior years' reports, or other institutions within the same year, erroneous in some cases. In addition, the figures reported in the annual Higher Education General Information Survey (HEGIS) are not the same enrollment figures used by the legislature in determining funding for the public institutions. Despite these shortcomings, these figures are the only source of compatible data on all segments of higher education in the state.

Table 10 indicates that only 2 of the 15 public four year college campuses declined in headcount enrollments from 1973 to 1974 - Northern Michigan University and the University of Michigan at Ann Arbor. This is in contrast to a decline in eight institutions the previous year. In full-time equivalent students, Table 11, three institutions showed a decline - Eastern Michigan University, University of Michigan at Ann Arbor, and Western Michigan University. This is in contrast with a decline at five institutions the previous year.

Table 12 indicates that only one institution, Montcalm Community College, declined in headcount enrollments from 1973 to 1974. This is in contrast to a decline in six institutions the previous year.

TABLE 10

PUBLIC FOUR-YEAR COLLEGES AND UNIVERSITIES
HEADCOUNT

	1972	1973	1974
Central Michigan University	16,507	16,523	16,744
Eastern Michigan University	20,686	19,847	20,033
Ferris State College	8,867	8,584	9,264
Grand Valley State Colleges	5,218	5,920	6,677
Lake Superior State College	1,890	1,900	2,064
Michigan State University	44,616	44,966	46,794
Michigan Technological University	5,018	4,975	5,366
Northern Michigan University	8,053	8,208	8,188
Oakland University	8,169	9,638	10,216
Saginaw Valley College	2,278	2,223	2,531
University of Michigan-Ann Arbor	36,646	37,317	36,895
University of Michigan-Dearborn	1,978	2,938	4,298
University of Michigan-Flint	2,555	2,905	3,179
Wayne State University	33,837	33,909	34,706
Western Michigan University	22,349	22,040	22,672
TOTAL	218,667	221,893	229,627

Source: Higher Education General Information Survey

Prepared By: Higher Education Management Services
November, 1974 (Revised 1/1/75)

TABLE 11

PUBLIC FOUR-YEAR COLLEGES AND UNIVERSITIES
FULL-TIME EQUIVALENT ENROLLMENTS

	1972	1973	1974
Central Michigan University	13,652	13,615	14,184
Eastern Michigan University	14,595	14,387	14,302
Ferris State College	8,753	8,463	9,110
Grand Valley State College	4,732	5,227	5,568
Lake Superior State College	1,684	1,688	1,785
Michigan State University	38,534	39,152	40,624
Michigan Technological University	5,437	4,658	5,107
Northern Michigan University	6,916	6,987	7,087
Oakland University	6,312	7,070	7,320
Saginaw Valley College	1,583	1,537	1,765
University of Michigan - Ann Arbor	32,489	32,689	32,391
University of Michigan - Dearborn	1,659	2,439	3,181
University of Michigan - Flint	2,020	2,261	2,364
Wayne State University	24,585	26,117	26,716
Western Michigan University	17,680	17,914	17,886
Total	180,631	184,204	188,760

Source: Higher Education General Information Survey

Note: Variances in calculation of F.T.E. make comparisons to prior year erroneous in some cases.

Prepared By: Higher Education Management Services
November, 1974 (Revised 1/1/75)

TABLE 12

COMMUNITY AND JUNIOR COLLEGES
HEADCOUNT

	1972	1973	1974
Alpena	1,328	1,425	1,475
Bay de Noc	799	831	934
C. S. Mott	13,187	19,569	22,028
Delta	6,123	6,515	7,480
Glen Oaks	648	1,150	1,154
Gogebic	708	728	902
Grand Rapids	5,319	5,727	5,916
Henry Ford	11,187	13,581	14,151
Highland Park	3,624	3,355	3,415
Jackson	3,609	4,143	7,320
Kalamazoo Valley	4,175	4,232	4,935
Kellogg	3,329	3,507	4,746
Kirtland	614	759	908
Lake Michigan	3,082	2,895	3,470
Lansing	8,773	10,640	12,890
Macomb	17,485	19,217	21,512
Mid Michigan	775	896	1,020
Monroe	1,674	1,583	1,704
Montcalm	891	1,086	918
Muskegon	3,879	4,240	4,938
North Central Michigan	869	1,019	1,165
Northwestern	1,936	2,060	2,259
Oakland	14,034	15,428	16,264
St. Clair	3,787	2,538	4,181
Schoolcraft	5,847	6,370	6,992
Southwestern	950	1,033	1,153
Washtenaw	4,217	4,401	5,216
Wayne	14,000	13,064	13,836
West Shore	785	723	761
TOTAL	137,634	152,715	173,643

Source: Higher Education General Information Survey

Prepared By: Higher Education Management Services
November, 1974

Several of the community colleges showed impressive enrollment gains over the past year. In full-time equivalent students, Table 13, 5 institutions showed a decline - Delta College, Kalamazoo Valley Community College, Monroe County Community College, Montcalm Community College, and Wayne County Community College. As in 1973, increased enrollment levels may be attributable to the inclusion of extension course enrollments in enrollments under the HEGIS format for 1974.

Table 14 shows the headcount enrollment comparisons for the private colleges and universities. Full-time equivalent enrollment figures have been computed for only the most recent year. Eleven institutions showed a decline in enrollments compared with 23 reporting declines in 1973.

Tables 15 and 16 provide detailed information by institution of enrollment by sex and full-time or part-time status for the fall, 1974 term.

There were 54.7% male students in the public baccalaureate institutions in the fall of 1974 as compared to 55.4% in the previous two years. Full-time students comprised 71.6% of the total enrollment as compared to 72.5% in 1973 and 74.7% in 1972.

Community colleges had 50.4% male students in the fall of 1974 as compared to 54.6% in 1973 and 56.9% in 1972. Full-time enrollment rose slightly over 1973 - from 36.3% in 1972 to 32.3% in 1973 to 33.3% in 1974.

TABLE 13

COMMUNITY AND JUNIOR COLLEGES
FULL-TIME EQUIVALENT ENROLLMENTS

	1972	1973	1974
Alpena	991	929	1,039
Bay de Noc	629	542	648
Delta	3,873	4,652	4,605
C.S. Mott	4,798	5,194	6,128
Glen Oaks	427	500	536
Gogebic	542	615	702
Grand Rapids	3,841	3,976	4,233
Henry Ford	5,607	6,357	6,397
Highland Park	2,333	2,230	2,280
Jackson	2,062	2,343	2,977
Kalamazoo Valley	2,281	2,966	2,617
Kellogg	2,040	2,090	2,616
Kirtland	467	511	635
Lake Michigan	1,808	1,619	1,660
Lansing	4,654	5,634	6,866
Macomb	9,326	9,054	11,901
Mid Michigan	427	454	590
Monroe	1,068	1,116	1,081
Montcalm	554	768	683
Muskegon	2,397	2,544	3,049
North Central Michigan	562	638	651
Northwestern	1,565	1,669	1,727
Oakland	7,388	7,895	11,901
St. Clair	2,200	1,487	2,376
Schoolcraft	3,294	4,152	4,490
Southwestern	763	823	948
Washtenaw	2,038	2,777	3,166
Wayne	7,340	6,908	6,795
West Shore	517	416	942
Total	75,792	80,859	94,239

Source: Higher Education General Information Survey

Note: Variances in calculation of F.T.E. make comparisons to prior year erroneous in some cases.

Prepared By: Higher Education Management Services
November, 1974 (Revised 1/1/75)

TABLE 14

INDEPENDENT COLLEGES AND UNIVERSITIES
FTE AND HEADCOUNT ENROLIMENTS

	HDCT 1972	HDCT 1973	HDCT 1974	FTE 1974
Adrian	1,191	1,125	1,032	995
Albion	1,783	1,789	1,769	1,756
Alma	1,229	1,214	1,154	1,151
Andrews	2,119	2,276	2,364	2,174
Aquinas	1,506	1,536	1,635	1,266
Calvin	3,185	3,253	3,414	3,296
Calvin Seminary	137	156	168	157
Cleary	658	601	454	423
Concordia Lutheran	474	479	450	443
Cooley Law School	---	---	425	423
Cranbrook Academy of Art	147	146	156	156
Davenport	1,311	1,174	1,303	1,231
Detroit Bible	330	292	286	219
Detroit College of Business	1,229	1,156	2,468	2,258
Detroit College of Law	875	871	914	914
Detroit Institute of Tech.	995	1,243	1,340	1,184
Duns Scotus	326	70	57	56
Faithway Baptist	---	---	50	49
General Motors Institute	3,114	3,189	3,039	3,039
Grace Bible College	137	116	181	109
Grand Rapids Baptist	717	781	857	752
Great Lakes Bible College	---	135	178	163
Hillsdale	1,131	1,027	965	950
Hope	2,124	2,077	2,198	2,067
John Wesley	237	358	525	450
Kalamazoo	1,384	1,356	1,400	1,400
Lawrence Institute of Tech.	4,026	4,027	4,206	3,331
Madonna	831	1,025	1,379	1,102
Marygrove	1,128	826	1,049	799
Mercy	1,822	1,898	1,926	1,653
Merrill-Palmer	85	77	69	63
Michigan Christian	191	174	181	176
Muskegon Business College	477	445	478	423
Nazareth	460	715	520	385
Northwood	1,065	1,285	1,422	1,413
Olivet	802	787	805	792
Reformed Bible	156	188	217	190
Sacred Heart	142	129	132	86
Saint Mary's	111	142	99	94
Shaw	762	1,039	1,233	1,180

TABLE 14 (Continued)

INDEPENDENT COLLEGES AND UNIVERSITIES
FTE AND HEADCOUNT ENROLLMENTS

	HDCT -1972	HDCT 1973	HDCT 1974	FTE 1974
Siena Heights	681	837	1,166	929
Society of Arts & Crafts	703	719	725	446
Spring Arbor	688	770	816	777
Suomi	338	312	397	374
University of Detroit	9,038	8,693	8,781	6,357
Walsh College	415	543	748	434
Western Theological Seminary	115	109	142	120
Total	50,658	51,160	55,273	47,733

Source: Higher Education General Information Survey

Prepared By: Higher Education Management Services
November, 1974

TABLE 15

FALL 1974 DEGREE CREDIT ENROLIMENT

	TOTAL STUDENTS				
	MEN		WOMEN		
	FULL-TIME	PART-TIME	FULL-TIME	PART-TIME	TOTAL
ALL INSTITUTIONS	155,089	108,571	116,683	108,027	488,370
PUBLIC FOUR YEAR	93,374	32,140	71,095	33,018	229,627
CENTRAL MICHIGAN UNIV	6,039	1,935	6,466	2,304	16,744
EASTERN MICHIGAN UNIV	5,250	4,334	5,743	4,706	20,033
FERRIS STATE COLLEGE	5,977	139	2,980	168	9,264
GRAND VALLEY STATE COLL	2,605	1,010	2,200	862	6,677
LAKE SUPERIOR STATE COLL	1,019	262	628	155	2,064
MICHIGAN STATE UNIV	19,727	5,530	16,676	4,861	46,794
MICHIGAN TECH UNIVERSITY	4,102	248	884	132	5,366
NORTHERN MICHIGAN UNIV	3,272	1,110	2,765	1,041	8,188
OAKLAND UNIVERSITY	2,887	1,353	3,008	2,968	10,216
SAGINAW VALLEY COLLEGE	749	617	528	637	2,531
UNIV OF MICH DEARBORN	1,467	1,050	880	901	4,298
UNIV OF MICH FLINT COLL	1,043	589	913	634	3,179
UNIV OF MICH TOTAL	18,154	3,515	11,586	3,640	36,895
WAYNE STATE UNIVERSITY	12,723	6,735	9,063	6,185	34,706
WESTERN MICHIGAN UNIV	8,360	3,713	6,775	3,824	22,672
PUBLIC TWO YEAR	37,516	68,780	30,572	70,006	206,874
ALPENA COMM COLL	649	328	315	183	1,475
BAY DE NOC COMM COLL	287	223	265	159	934
DELTA COLLEGE	1,451	2,548	1,439	2,042	7,480
GENESEE COMM COLL	2,120	7,685	1,909	10,314	22,028
GLEN OAKS COMM COLL	222	447	154	331	1,154
GOGEBIC COMM COLL	385	185	218	114	902
GRAND RAPIDS JR COLL	1,905	1,326	1,342	1,343	5,916
HENRY FORD COMM COLL	1,835	3,562	1,414	2,795	9,606
HIGHLAND PARK COLL	650	955	930	880	3,415
JACKSON COMM COLL	1,227	596	2,375	3,122	7,320
KALAMAZOO VALLEY CC	720	1,822	564	1,829	4,935
KELLOGG COMM COLL	754	1,501	725	1,766	4,746
KIRTLAND COMM COLL	369	171	153	215	908
LAKE MICHIGAN COLL	492	1,416	457	1,105	3,470
LANSING COMM COLL	2,408	4,689	1,590	4,203	12,890
MACOMB CO COMM COLL CNTR	657	1,568	808	1,980	5,013
MACOMB CO COMM COLL SOUTH	2,714	7,962	1,376	4,447	16,499
MACOMB CO COMM COLL TOTAL	3,371	9,530	2,184	6,427	21,512
MID MICHIGAN COMM COLL	175	234	229	382	1,020
MONROE CO COMM COLL	426	564	323	391	1,704
MONTCALM COMM COLL	301	297	141	179	918
MUSKEGON CO COMM COLL	1,028	1,743	804	1,363	4,938
NORTH CENTRAL MICH COLL	356	157	378	274	1,165
NORTHWESTERN MICH COLL	816	351	764	328	2,259
OAKLAND COMM COLL AUBURN	1,161	2,097	584	1,117	4,959
OAKLAND COMM COLL HI LAKE	352	449	531	1,110	2,442
OAKLAND COMM COLL ORCH RI	1,671	1,414	1,130	1,989	6,204
OAKLAND COMM COLL S E CAM	381	645	388	1,245	2,659
OAKLAND COMM COLL TOTAL	3,565	4,605	2,633	5,461	16,264
SCHOOLCRAFT COLL	1,286	2,419	979	2,308	6,992
SOUTHWESTERN MICH COLL	443	187	337	186	1,153
ST CLAIR CO COMM COLL	857	959	770	1,595	4,181
WASHTENAW COMM COLL	689	2,436	461	1,630	5,216
WAYNE CO COMM COLL	1,528	3,515	1,748	7,045	13,836
WEST SHORE COMM COLL	265	194	154	148	761

NOTE: Grand total and two-year total include Macomb County Community College and Oakland Community College twice due to processing procedure.

TABLE 16

FALL 1974 DEGREE CREDIT ENROLLMENT

	TOTAL STUDENTS				
	MEN		WOMEN		
	FULL-TIME	PART-TIME	FULL-TIME	PART-TIME	TOTAL
PRIVATE	24,199	7,651	15,016	5,003	51,869
ADRIAN COLLEGE	481	37	484	30	1,032
ALMA COLLEGE	612	8	527	7	1,154
ANDREWS UNIVERSITY	1,090	185	877	212	2,364
AQUINAS COLLEGE	540	321	502	272	1,635
CALVIN COLLEGE	1,671	119	1,517	107	3,414
CALVIN THEOLOGICAL SEM	145	19	4		168
CLEARY COLLEGE	115	105	57	177	454
CONCORDIA LUTH JR COLL	189	7	249	5	450
CRANBROOK ACADEMY OF ART	91		65		156
DETROIT BIBLE COLLEGE	122	79	51	34	286
DETROIT COLL OF BUSINESS	1,577	238	440	213	2,468
DETROIT COLLEGE OF LAW	813		101		914
DETROIT INST OF TECH	697	283	303	57	1,340
DUNS SCOTUS COLLEGE	56	1			57
GENERAL MOTORS INSTITUTE	2,733		306		3,039
GR RAPIDS BAPT COLL SEM	353	103	326	75	857
GRACE BIBLE COLLEGE	53	39	43	46	181
GREAT LAKES BIBLE COLLEGE	83	13	64	18	178
HILLSDALE COLLEGE	529	12	402	22	965
HOPE COLLEGE	1,002	98	1,009	89	2,198
JACKSON BUSINESS UNIV.	30	29	80	23	162
JOHN WESLEY COLLEGE	205	57	170	93	525
KALAMAZOO COLLEGE	755		645		1,400
LAWRENCE INST OF TECH	2,525	1,490	105	86	4,206
MADONNA COLLEGE	380	200	513	286	1,379
MARYGLADE COLLEGE	32		16	2	50
MARYGROVE COLLEGE	56	111	467	415	1,049
MERCY COLLEGE OF DETROIT	256	488	957	225	1,926
MERRILL PALMER INSTITUTE	12	3	46	8	69
MICH CHRISTIAN JR COLL	101	10	120	5	236
MUSKEGON BUSINESS COLL	134	55	233	56	478
NAZARETH COLLEGE	29	39	318	134	520
NORTHWOOD INST ALMA	112	3	45	3	163
NORTHWOOD INSTITUTE	812	11	308	4	1,135
OLIVET COLLEGE	446	9	334	16	805
REFORMED BIBLE INSTITUTE	88	19	87	23	217
SACRED HEART SEMINARY	61	66		5	132
SHAW COLL AT DETROIT	557	55	549	72	1,233
SIENA HEIGHTS COLLEGE	344	174	423	225	1,166
SOCIETY OF ARTS CRAFTS	173	224	133	195	725
SPRING ARBOR COLLEGE	360	28	386	42	816
ST MARYS COLLEGE	61	7	19	12	99
SUOMI COLLEGE	215	24	145	13	397
UNIVERSITY OF DETROIT	3,268	2,359	1,556	1,598	8,781
WALSH COLL ACCT BUS ADM	129	504	26	89	748
WESTERN THEOLOGICAL SEM	106	19	8	9	142

The private colleges had an increase in male students from 60.8% of the total the previous two years to 61.4% in 1974. The ratio of full-time to part-time students remained the same as the previous two years, at about 76%.

Table 17 gives the sex and enrollment status of the graduate programs throughout the state. The striking aspect of the graduate report is the overwhelming majority of male students studying for advanced degrees as well as the large numbers of students that are attending graduate school on a part-time basis. The ratios exceed 2:1 in several cases.

State Trends - Other Postsecondary Education

Previous years' data are not available for the many occupational schools operating in Michigan. With approximately one-half of the institutions reporting this year, the reported enrollment was slightly over 40,000. Accurate assessment of the true scope of the occupational area cannot be made until an adequate data collection system is set up that includes all of postsecondary education.

Graduations and Completions

One of the commonly accepted measures of output for institutions of higher education is the number of program completions represented by the degrees awarded. This output measure lacks the ability to deal with questions of quality, relationship to manpower needs (except in specialized fields), and program drop-outs. Despite these shortcomings, degree production does give a long-term view of the utility of higher education.

TABLE 17

OPENING FALL ENROLLMENT OF DEGREE-CREDIT
FIRST PROFESSIONAL STUDENTS AND GRADUATE STUDENTS BY INSTITUTION
1974-75

	FIRST PROFESSIONAL					GRADUATE				
	MEN		WOMEN			MEN		WOMEN		
	FULL-TIME	PART-TIME	FULL-TIME	PART-TIME	TOTAL	FULL-TIME	PART-TIME	FULL-TIME	PART-TIME	TOTAL
ALL INSTITUTIONS	8,050	343	2,345	461	11,199	12,311	16,322	6,685	17,694	53,012
PUBLIC FOUR YEAR	5,921	232	2,105	437	8,695	11,576	14,907	6,379	16,768	49,630
CENTRAL MICHIGAN UNIV						376	1,447	205	1,716	3,744
EASTERN MICHIGAN UNIV						310	2,429	234	3,001	5,974
GRAND VALLEY STATE COLL						7	119	2	8	136
LAKE SUPERIOR STATE COLL							8		11	19
MICHIGAN STATE UNIV	660		283		943	2,957	3,399	1,600	3,084	11,040
MICHIGAN TECH UNIVERSITY						141	89	16	8	254
NORTHERN MICHIGAN UNIV						66	368	34	451	919
OAKLAND UNIVERSITY						236	429	412	1,740	2,817
SAGINAW VALLEY COLLEGE							28	2	86	116
UNIV OF MICH DEARBORN						7	245	2	11	265
UNIV OF MICH TOTAL	3,269,	179	1,155	294	4,897	4,519	2,264	2,062	2,354	11,199
WAYNE STATE UNIVERSITY	1,992	53	667	143	2,855	2,194	2,178	1,299	2,193	7,864
WESTERN MICHIGAN UNIV						763	1,904	511	2,105	5,283

	FIRST PROFESSIONAL					GRADUATE				
	MEN		WOMEN			MEN		WOMEN		
	FULL-TIME	PART-TIME	FULL-TIME	PART-TIME	TOTAL	FULL-TIME	PART-TIME	FULL-TIME	PART-TIME	TOTAL
PRIVATE	2,129	111	240	24	2,504	735	1,415	308	926	3,382
ADRIAN COLLEGE							6		4	10
ANDREWS UNIVERSITY	255	39	8	4	304	146	50	78	68	342
AQUINAS COLLEGE							6		21	27
CALVIN THEOLOGICAL SEM	130		4		134	5	9			14
CRANBROOK ACADEMY OF ART						82		61		143
DETROIT COLLEGE OF LAW	813		101		914					
GR RAPIDS BAPT COLL SEM						65	60	1	6	132
MARYGROVE COLLEGE							19		129	148
MERRILL PALMER INSTITUTE						10	3	13	8	34
SIENA HEIGHTS COLLEGE						2	22	10	64	98
ST MARYS COLLEGE						2		1		3
UNIVERSITY OF DETROIT	829	67	121	17	1,034	413	1,162	141	619	2,335
WALSH COLL ACCT BUS ADM	102	5	8	3	118	9	66	1	7	83
WESTERN THEOLOGICAL SEM						1	12			13

Higher Education

Tables 18 through 21 report the degrees and other formal awards from the state's institutions of higher education.

Table 18 shows that a grand total of 75,103 degrees and awards were given during the period of July 1, 1973 through June 30, 1974. Of this total, 19,411 were based on less than four years of postsecondary experience and the remainder, 55,693, were bachelor, first professional, master, and doctoral degrees. Institutional leaders were Michigan State University in the public baccalaureate sector, Macomb County Community College in the public two year sector and the University of Detroit in the private sector.

Table 19 breaks out the different types of four year or higher degrees by institution. A consistent pattern is the decrease in the percentage of women receiving degrees as the level of the degree increases. Individual exceptions do exist but the overall percentage of women drops from 43.7% at the bachelor degree level to 8.4% at the first professional degree level.

Table 20 gives a breakdown of degrees awarded on the basis of less than four years of postsecondary work. As is to be expected, most of the awards were given by the public two year institutions and most of the work taken by the students was creditable to a bachelors degree if they desired to continue their education.

Table 21 gives a three year summary of the degrees and awards given during the period from July 1, 1971 to June 30, 1974. Depending on the specific category, percentage changes rose or fell sharply from previous years.

TABLE 18

SUMMARY OF FORMAL AWARDS CONFERRED BY
TYPE OF AWARD, SEX, AND INSTITUTION
1973-74

INSTITUTION NAME	TOTAL BACHELOR'S FIRST-PROFESSIONAL MASTER'S AND DOCTOR'S			COMPLETIONS BASED ON LESS THAN 4 YEARS OF WORK BEYOND HIGH SCHOOL			TOTAL FORMAL AWARDS		
	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL
ALL INSTITUTIONS	32482.0	23210.5	55692.5	10604.0	8807.0	19411.0	43086.0	32017.5	75103.5
PUBLIC FOUR YEAR	27259.0	20255.0	47514.0	1147.0	908.0	2055.0	28406.0	21163.0	49569.0
CENTRAL MICHIGAN UNIV	1991.0	1737.0	3728.0		27.0	27.0	1991.0	1764.0	3755.0
EASTERN MICHIGAN UNIV	2258.0	2254.0	4512.0	3.0	11.0	14.0	2261.0	2265.0	4526.0
FERRIS STATE COLLEGE	794.0	108.0	902.0	808.0	626.0	1434.0	1602.0	734.0	2336.0
GRAND VALLEY STATE COLL	440.0	373.0	813.0				440.0	373.0	813.0
LAKE SUPERIOR STATE COLL	154.0	46.0	200.0	128.0	43.0	171.0	282.0	89.0	371.0
MICHIGAN STATE UNIV	5955.0	4335.0	10290.0				5955.0	4335.0	10290.0
MICHIGAN TECH UNIVERSITY	827.0	73.0	900.0	116.0	1.0	117.0	943.0	74.0	1017.0
NORTHERN MICHIGAN UNIV	743.0	623.0	1366.0	27.0	133.0	160.0	770.0	756.0	1526.0
OAKLAND UNIVERSITY	736.0	842.0	1578.0	8.0	10.0	18.0	744.0	852.0	1596.0
SAGINAW VALLEY COLLEGE	164.0	184.0	348.0				164.0	184.0	348.0
UNIV OF MICH ANN ARBOR	5945.0	3932.0	9877.0		40.0	40.0	5945.0	3972.0	9917.0
UNIV OF MICH DEARBORN	258.0	120.0	378.0				258.0	120.0	378.0
UNIV OF MICH FLINT COLL	213.0	209.0	422.0				213.0	209.0	422.0
UNIV OF MICH TOTAL									
WAYNE STATE UNIVERSITY	3781.0	2785.0	6566.0	51.0	17.0	68.0	3832.0	2802.0	6634.0
WESTERN MICHIGAN UNIV	3000.0	2634.0	5634.0	6.0		6.0	3006.0	2634.0	5640.0

TABLE 18 (Continued)

INSTITUTION NAME	TOTAL BACHELOR'S FIRST-PROFESSIONAL MASTER'S AND DOCTOR'S MEN	WOMEN	TOTAL	COMPLETIONS BASED ON LESS THAN 4 YEARS OF WORK BEYOND HIGH SCHOOL MEN	WOMEN	TOTAL	TOTAL AWARDS MEN	FORMAL AWARDS WOMEN	TOTAL
PUBLIC TWO YEAR				7736.0	6845.0	14581.0	7736.0	6845.0	14581.0
ALPENA COMM COLL				192.0	92.0	284.0	192.0	92.0	284.0
BAY DE NOC COMM COLL				178.0	192.0	370.0	178.0	192.0	370.0
DELTA COLLEGE				407.0	411.0	818.0	407.0	411.0	818.0
GENESEE COMM COLL				621.0	446.0	1067.0	621.0	446.0	1067.0
GLEN OAKS COMM COLL				43.0	50.0	93.0	43.0	50.0	93.0
GOGEBIC COMM COLL				92.0	123.0	215.0	92.0	123.0	215.0
GRAND RAPIDS JR COLL				416.0	468.0	884.0	416.0	468.0	884.0
HENRY FORD COMM COLL				407.0	235.0	642.0	407.0	235.0	642.0
HIGHLAND PARK COLL				137.0	250.0	387.0	137.0	250.0	387.0
JACKSON COMM COLL				329.0	186.0	515.0	329.0	186.0	515.0
KALAMAZOO VALLEY CC				206.0	179.0	385.0	206.0	179.0	385.0
KELLOGG COMM COLL				238.0	295.0	533.0	238.0	295.0	533.0
KIRTLAND COMM COLL				53.0	40.0	93.0	53.0	40.0	93.0
LAKE MICHIGAN COLL				114.0	140.0	254.0	114.0	140.0	254.0
LANSING COMM COLL				441.0	334.0	775.0	441.0	334.0	775.0
MACOMB CO COMM COLL CNTR				349.0	398.0	747.0	349.0	398.0	747.0
MACOMB CO COMM COLL SOUTH				860.0	349.0	1209.0	860.0	349.0	1209.0
MACOMB CO COMM COLL TOTAL									
MID MICHIGAN COMM COLL				47.0	97.0	144.0	47.0	97.0	144.0
MONROE CO COMM COLL				58.0	52.0	110.0	58.0	52.0	110.0
MONTCALM COMM COLL				110.0	84.0	194.0	110.0	84.0	194.0
MUSKEGON CO COMM COLL				253.0	212.0	465.0	253.0	212.0	465.0
NORTH CENTRAL MICH COLL				61.0	75.0	136.0	61.0	75.0	136.0
NORTHWESTERN MICH COLL				250.0	211.0	461.0	250.0	211.0	461.0
OAKLAND COMM COLL AUBURN				250.0	92.0	342.0	250.0	92.0	342.0
OAKLAND COMM COLL HI LAKE				44.0	179.0	223.0	44.0	179.0	223.0
OAKLAND COMM COLL ORCH RI				181.0	152.0	333.0	181.0	152.0	333.0
OAKLAND COMM COLL S E CAM				40.0	79.0	119.0	40.0	79.0	119.0
OAKLAND COMM COLL TOTAL									
SCHOOLCRAFT COLL				333.0	277.0	610.0	333.0	277.0	610.0
SOUTHWESTERN MICH COLL				98.0	89.0	187.0	98.0	89.0	187.0
ST CLAIR CO COMM COLL				210.0	250.0	460.0	210.0	250.0	460.0
WASHTENAW COMM COLL				274.0	142.0	416.0	274.0	142.0	416.0
WAYNE CO COMM COLL				396.0	620.0	1016.0	396.0	620.0	1016.0
WEST SHORE COMM COLL				48.0	46.0	94.0	48.0	46.0	94.0

TABLE 18 (Continued)

INSTITUTION NAME	TOTAL BACHELOR'S FIRST-PROFESSIONAL MASTER'S AND DOCTOR'S			COMPLETIONS BASED ON LESS THAN 4 YEARS OF WORK BEYOND HIGH SCHOOL			TOTAL	FORMAL AWARDS	
	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL
PRIVATE	5223.0	2955.5	8178.5	1721.0	1054.0	2775.0	6944.0	4009.5	10953.5
ADRIAN COLLEGE	117.0	117.0	234.0				117.0	117.0	234.0
ALBION COLLEGE	182.0	178.0	360.0				182.0	178.0	360.0
ALMA COLLEGE	137.0	135.0	272.0				137.0	135.0	272.0
ANDREWS UNIVERSITY	292.0	183.0	475.0	1.0	7.0	8.0	293.0	190.0	483.0
AQUINAS COLLEGE	173.5	147.5	321.0		1.0	1.0	173.5	148.5	322.0
CALVIN COLLEGE	326.0	296.0	622.0				326.0	296.0	622.0
CALVIN THEOLOGICAL SEM	38.0		38.0				38.0		38.0
CLEARY COLLEGE	54.0	3.0	57.0	63.0	65.0	128.0	117.0	68.0	185.0
CONCORDIA LUTH JR COLL				68.0	96.0	164.0	68.0	96.0	164.0
CRANBROOK ACADEMY OF ART	39.0	26.0	65.0				39.0	26.0	65.0
DAVENPORT COLL BUSINESS				144.0	178.0	322.0	144.0	178.0	322.0
DE LIMA JR COLLEGE									
DETROIT BIBLE COLLEGE	19.0	4.0	23.0				19.0	4.0	23.0
DETROIT COLL OF BUSINESS	103.0	14.0	117.0	13.0	73.0	86.0	116.0	87.0	203.0
DETROIT COLLEGE OF LAW	230.0	6.0	236.0				230.0	6.0	236.0
DETROIT INST OF MUS ART									
DETROIT INST OF TECH	144.0	15.0	159.0	168.0	17.0	185.0	312.0	32.0	344.0
DUNS SCOTUS COLLEGE	15.0		15.0				15.0		15.0
GENERAL MOTORS INSTITUTE	544.0	6.0	550.0	574.0	27.0	601.0	1118.0	33.0	1151.0
GR RAPIDS BAPT COLL SEM	50.0	24.0	74.0		9.0	9.0	50.0	33.0	83.0
GRACE BIBLE COLLEGE	7.0	2.0	9.0	1.0	6.0	7.0	8.0	8.0	16.0
GREAT LAKES BIBLE COLLEGE	7.0	3.0	10.0	1.0	4.0	5.0	8.0	7.0	15.0
HILLSDALE COLLEGE	145.0	104.0	249.0				145.0	104.0	249.0
HOPE COLLEGE	197.0	200.0	397.0				197.0	200.0	397.0
JACKSON BUSINESS UNIV.				120.0	70.0	190.0	120.0	70.0	190.0
JOHN WESLEY COLLEGE	6.0	10.0	16.0				6.0	10.0	16.0
KALAMAZOO COLLEGE	115.5	102.0	217.5				115.5	102.0	217.5
LAWRENCE INST OF TECH	414.0	6.0	420.0	86.0	1.0	87.0	500.0	7.0	507.0
LEWIS COLLEGE OF BUSINESS									
MACKINAC COLLEGE									

TABLE 18 (Continued)

MADONNA COLLEGE	26.0	84.0	110.0	22.0	4.0	26.0	48.0	88.0	136.0
MARYGLADE COLLEGE									
MARYGROVE COLLEGE	10.0	224.0	234.0	10.0	14.0	24.0	20.0	238.0	258.0
MERCY COLLEGE OF DETROIT	32.0	198.0	230.0	30.0	19.0	49.0	62.0	217.0	279.0
MERRILL PALMER INSTITUTE									
MICH CHRISTIAN JR COLL				17.0	25.0	42.0	17.0	25.0	42.0
MICH COLL OF OSTEO MED									
MUSKEGON BUSINESS COLL				49.0	57.0	106.0	49.0	57.0	106.0
NAZARETH COLLEGE	10.0	109.0	119.0				10.0	109.0	119.0
NORTHWOOD INST ALMA	6.0	1.0	7.0	34.0	13.0	47.0	40.0	14.0	54.0
NORTHWOOD INST MIDLAND									
NORTHWOOD INSTITUTE				227.0	69.0	296.0	227.0	69.0	296.0
OLIVET COLLEGE	97.0	55.0	152.0				97.0	55.0	152.0
REFORMED BIBLE INSTITUTE	11.0	11.0	22.0	3.0	8.0	11.0	14.0	19.0	33.0
SACRED HEART SEMINARY	20.0		20.0	12.0		12.0	32.0		32.0
SHAW COLL AT DETROIT	27.0	16.0	43.0	5.0	79.0	84.0	32.0	95.0	127.0
SIENA HEIGHTS COLLEGE	39.0	102.0	141.0	26.0	83.0	109.0	65.0	185.0	250.0
SOCIETY OF ARTS CRAFTS	18.0	11.0	29.0	6.0	4.0	10.0	24.0	15.0	39.0
SPRING ARBOR COLLEGE	68.0	67.0	135.0				68.0	67.0	135.0
ST JOHNS PROVINCIAL SEM									
ST MARYS COLLEGE									
SUOMI COLLEGE				41.0	50.0	91.0	41.0	50.0	91.0
THOMAS M COOLEY LAW SCHOO									
UNIVERSITY OF DETROIT	1392.0	481.0	1873.0		75.0	75.0	1392.0	556.0	1948.0
WALSH COLL ACCT BUS ADM	90.0	15.0	105.0				90.0	15.0	105.0
WESTERN THEOLOGICAL SEM	22.0		22.0				22.0		22.0

TABLE 19

SUMMARY OF FORMAL AWARDS CONFERRED BY
TYPE OF AWARD, SEX, AND INSTITUTION
1973-74

INSTITUTION NAME	BACHELOR'S DEGREES			FIRST PROFESSIONAL DEGREES			MASTER'S DEGREES			DOCTOR'S DEGREES		
	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL
ALL INSTITUTIONS	21560.0	16746.5	38306.5	1824.0	168.0	1992.0	7845.0	5967.0	13812.0	1253.0	329.0	1582.0
PUBLIC FOUR YEAR	17590.0	14185.0	31775.0	1173.0	147.0	1320.0	7253.0	5595.0	12848.0	1243.0	328.0	1571.0
CENTRAL MICHIGAN UNIV	1252.0	1452.0	2704.0				739.0	285.0	1024.0			
EASTERN MICHIGAN UNIV	1368.0	1468.0	2836.0				890.0	786.0	1676.0			
FERRIS STATE COLLEGE	794.0	108.0	902.0									
GRAND VALLEY STATE COLL	440.0	373.0	813.0									
LAKE SUPERIOR STATE COLL	154.0	46.0	200.0									
MICHIGAN STATE UNIV	3963.0	3260.0	7223.0	128.0	38.0	166.0	1401.0	935.0	2336.0	463.0	102.0	565.0
MICHIGAN TECH UNIVERSITY	745.0	69.0	814.0				76.0	4.0	80.0	6.0		6.0
NORTHERN MICHIGAN UNIV	647.0	568.0	1215.0				96.0	55.0	151.0			
OAKLAND UNIVERSITY	646.0	588.0	1234.0				90.0	254.0	344.0			
SAGINAW VALLEY COLLEGE	161.0	177.0	338.0				3.0	7.0	10.0			
UNIV OF MICH ANN ARBOR	2800.0	2147.0	4947.0	633.0	70.0	703.0	1936.0	1548.0	3484.0	576.0	167.0	743.0
UNIV OF MICH DEARBORN	222.0	118.0	340.0				36.0	2.0	38.0			
UNIV OF MICH FLINT COLL	213.0	209.0	422.0									
UNIV OF MICH TOTAL												
WAYNE STATE UNIVERSITY	1991.0	1622.0	3613.0	412.0	39.0	451.0	1214.0	1072.0	2286.0	164.0	52.0	216.0
WESTERN MICHIGAN UNIV	2194.0	1980.0	4174.0				772.0	647.0	1419.0	34.0	7.0	41.0

TABLE 19 (Continued)

INSTITUTION NAME	BACHELOR'S DEGREES			FIRST PROFESSIONAL DEGREES			MASTER'S DEGREES			DOCTOR'S DEGREES		
	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL	MEN	WOMEN	TOTAL
PRIVATE	3970.0	2561.5	6531.5	651.0	21.0	672.0	592.0	372.0	964.0	10.0	1.0	11.0
ADRIAN COLLEGE	117.0	117.0	234.0									
ALBION COLLEGE	182.0	178.0	360.0									
ALMA COLLEGE	137.0	135.0	272.0									
ANDREWS UNIVERSITY	102.0	138.0	240.0	90.0		90.0	100.0	45.0	145.0			
AQUINAS COLLEGE	172.5	122.5	295.0				1.0	25.0	26.0			
CALVIN COLLEGE	326.0	296.0	622.0									
CALVIN THEOLOGICAL SEM				34.0		34.0	4.0		4.0			
CLEARY COLLEGE	54.0	3.0	57.0									
CONCORDIA LUTH JR COLL												
CRANBROOK ACADEMY OF ART	3.0	2.0	5.0				36.0	24.0	60.0			
DAVENPORT COLL BUSINESS												
DE LIMA JR COLLEGE												
DETROIT BIBLE COLLEGE	19.0	4.0	23.0									
DETROIT COLL OF BUSINESS	103.0	14.0	117.0									
DETROIT COLLEGE OF LAW				230.0	6.0	236.0						
DETROIT INST OF MUS ART												
DETROIT INST OF TECH	144.0	15.0	159.0									
DUNS SCOTUS COLLEGE	15.0		15.0									
GENERAL MOTORS INSTITUTE	544.0	6.0	550.0									
GR RAPIDS BAPT COLL SEM	28.0	23.0	51.0	11.0		11.0	11.0	1.0	12.0			
GRACE BIBLE COLLEGE	7.0	2.0	9.0									
GREAT LAKES BIBLE COLLEGE	7.0	3.0	10.0									
HILLSDALE COLLEGE	145.0	104.0	249.0									
HOPE COLLEGE	197.0	200.0	397.0									
JACKSON BUSINESS UNIV.												
JOHN WESLEY COLLEGE	6.0	10.0	16.0									
KALAMAZOO COLLEGE	115.5	102.0	217.5									
LAWRENCE INST OF TECH	414.0	6.0	420.0									
LEWIS COLLEGE OF BUSINESS												
MACKINAC COLLEGE												

TABLE 19 (Continued)

MADONNA COLLEGE	26.0	84.0	110.0									
MARYGLADE COLLEGE												
MARYGROVE COLLEGE	2.0	141.0	143.0				8.0	83.0	91.0			
MERCY COLLEGE OF DETROIT	32.0	198.0	230.0									
MERRILL PALMER INSTITUTE												
MICH CHRISTIAN JR COLL												
MICH COLL OF OSTEO MED												
MUSKEGON BUSINESS COLL												
NAZARETH COLLEGE	10.0	109.0	119.0									
NORTHWOOD INST ALMA	6.0	1.0	7.0									
NORTHWOOD INST MIDLAND												
NORTHWOOD INSTITUTE												
OLIVET COLLEGE	97.0	54.0	151.0					1.0	1.0			
REFORMED BIBLE INSTITUTE	11.0	11.0	22.0									
SACRED HEART SEMINARY	20.0		20.0									
SHAW COLL AT DETROIT	27.0	16.0	43.0									
SIENA HEIGHTS COLLEGE	36.0	78.0	114.0				3.0	24.0	27.0			
SOCIETY OF ARTS CRAFTS	18.0	11.0	29.0									
SPRING ARBOR COLLEGE	68.0	67.0	135.0									
ST JOHNS PROVINCIAL SEM												
ST MARYS COLLEGE												
SUOMI COLLEGE												
THOMAS M COOLEY LAW SCHOO												
UNIVERSITY OF DETROIT	689.0	296.0	985.0	267.0	15.0	282.0	426.0	169.0	595.0	10.0	1.0	11.0
WALSH COLL ACCT BUS ADM	90.0	15.0	105.0									
WESTERN THEOLOGICAL SEM				19.0		19.0	3.0		3.0			

TABLE 20

DEGREES AND COMPLETIONS BASED ON LESS THAN FOUR YEARS OF WORK

INSTITUTION NAME	TOTAL OF ALL DEGREES AND COMPLETIONS: WORK CHIEFLY CREDITABLE TO BACH	WORK NOT CHIEFLY CREDITABLE TO BACH	CURRICULUMS LESS THAN 2-YEAR
ALL INSTITUTIONS	12092.0	4496.0	2823.0
PUBLIC FOUR YEAR	1790.0	40.0	225.0
CENTRAL MICHIGAN UNIV	27.0		
EASTERN MICHIGAN UNIV	14.0		
FERRIS STATE COLLEGE	1332.0		102.0
GRAND VALLEY STATE COLL	147.0		24.0
LAKE SUPERIOR STATE COLL	117.0		
MICHIGAN STATE UNIV	48.0	22.0	90.0
MICHIGAN TECH UNIVERSITY		18.0	
NORTHERN MICHIGAN UNIV	31.0		9.0
OAKLAND UNIVERSITY			
SAGINAW VALLEY COLLEGE	68.0		
UNIV OF MICH ANN ARBOR	6.0		
UNIV OF MICH DEARBORN			
UNIV OF MICH FLINT COLL			
UNIV OF MICH TOTAL			
WAYNE STATE UNIVERSITY			
WESTERN MICHIGAN UNIV			
PUBLIC TWO YEAR	8023.0	4238.0	2320.0
ALPENA COMM COLL	162.0	42.0	80.0
BAY DE NOC COMM COLL	58.0	242.0	70.0
DELTA COLLEGE	364.0	427.0	27.0
GENESEE COMM COLL	298.0	358.0	411.0
GLEN OAKS COMM COLL	48.0	10.0	35.0
GOGEBIC COMM COLL	90.0	48.0	77.0
GRAND RAPIDS JR COLL	559.0	190.0	135.0
HENRY FORD COMM COLL	259.0	383.0	
HIGHLAND PARK COLL	203.0	151.0	33.0
JACKSON COMM COLL	295.0	83.0	137.0
KALAMAZOO VALLEY CC	346.0		
KELLOGG COMM COLL	218.0	205.0	39.0
KIRTLAND COMM COLL	48.0	26.0	110.0
LAKE MICHIGAN COLL	140.0	114.0	19.0
LANSING COMM COLL	232.0	418.0	125.0
MACOMB CO COMM COLL CNTR	499.0		248.0
MACOMB CO COMM COLL SOUTH	1039.0		170.0
MACOMB CO COMM COLL TOTAL			
MID MICHIGAN COMM COLL	38.0	25.0	81.0
MONROE CO COMM COLL	65.0	41.0	4.0
MONTCALM COMM COLL	194.0		
MUSKEGON CO COMM COLL	293.0	81.0	91.0
NORTH CENTRAL MICH COLL	79.0	57.0	
NORTHWESTERN MICH COLL	239.0	103.0	119.0
OAKLAND COMM COLL AUBURN	128.0	200.0	14.0
OAKLAND COMM COLL HI LAKE	76.0	123.0	24.0
OAKLAND COMM COLL ORCH RI	223.0	108.0	2.0
OAKLAND COMM COLL S E CAM	69.0	19.0	31.0
OAKLAND COMM COLL TOTAL			
SCHOOLCRAFT COLL	272.0	302.0	36.0
SOUTHWESTERN MICH COLL	166.0	21.0	
ST CLAIR CO COMM COLL	135.0	181.0	144.0
WASHTENAW COMM COLL	181.0	225.0	10.0
WAYNE CO COMM COLL	932.0	55.0	29.0
WEST SHORE COMM COLL	75.0		19.0

TABLE 20 (Continued)

INSTITUTION NAME	TOTAL OF ALL DEGREES AND COMPLETIONS: WORK CHIEFLY CREDITABLE TO BACH	WORK NOT CHIEFLY CREDITABLE TO BACH	CURRICULUMS LESS THAN 2-YEAR
PRIVATE	2279.0	218.0	278.0
ADRIAN COLLEGE			
ALBION COLLEGE			
ALMA COLLEGE			
ANDREWS UNIVERSITY	8.0		
AQUINAS COLLEGE	1.0		
CALVIN COLLEGE			
CALVIN THEOLOGICAL SEM			
CLEARY COLLEGE	98.0		30.0
CONCORDIA LUTH JR COLL	164.0		
CRANBROOK ACADEMY OF ART			
DAVENPORT COLL BUSINESS	322.0		
DE LIMA JR COLLEGE			
DETROIT BIBLE COLLEGE			
DETROIT COLL OF BUSINESS	77.0		9.0
DETROIT COLLEGE OF LAW			
DETROIT INST OF MUS ART			
DETROIT INST OF TECH	185.0		
DUNS SCOTUS COLLEGE			
GENERAL MOTORS INSTITUTE	550.0	21.0	30.0
GR RAPIDS BAPT COLL SEM	9.0		
GRACE BIBLE COLLEGE	7.0		
GREAT LAKES BIBLE COLLEGE			5.0
HILLSDALE COLLEGE			
HOPE COLLEGE			
JACKSON BUSINESS UNIV.		150.0	40.0
JOHN WESLEY COLLEGE			
KALAMAZOO COLLEGE			
LAWRENCE INST OF TECH	87.0		
LEWIS COLLEGE OF BUSINESS			
MACKINAC COLLEGE			
MADONNA COLLEGE	22.0		4.0
MARYGLADE COLLEGE			
MARYGROVE COLLEGE	24.0		
MERCY COLLEGE OF DETROIT	49.0		
MERRILL PALMER INSTITUTE			
MICH CHRISTIAN JR COLL	37.0	5.0	
MICH COLL OF OSTEO MED			
MUSKEGON BUSINESS COLL	81.0		25.0
NAZARETH COLLEGE			
NORTHWOOD INST ALMA	34.0		13.0
NORTHWOOD INST MIDLAND			
NORTHWOOD INSTITUTE	296.0		
OLIVET COLLEGE			
REFORMED BIBLE INSTITUTE	11.0		
SACRED HEART SEMINARY	12.0		
SHAW COLL AT DETROIT	13.0		71.0
SIENA HEIGHTS COLLEGE	104.0		5.0
SOCIETY OF ARTS CRAFTS	10.0		
SPRING ARBOR COLLEGE			
ST JOHNS PROVINCIAL SEM			
ST MARYS COLLEGE			
SUOMI COLLEGE	78.0		13.0
THOMAS M COOLEY LAW SCHOO			
UNIVERSITY OF DETROIT		42.0	33.0
WALSH COLL ACCT BUS ADM			
WESTERN THEOLOGICAL SEM			

TABLE 21

SUMMARY OF DEGREES AND OTHER FORMAL AWARDS CONFERRED BETWEEN JULY 1, 1971 AND JUNE 30, 1974

TABLE 1: COMMUNITY COLLEGES

	Creditable Toward A Bachelors Degree				Not Creditable Toward A Bachelors Degree				Curriculums of At Least One Year, But Less Than Two Years	% Change
	Assoc.	% Change	Other	% Change	Assoc.	% Change	Other	% Change		
1971-72	7,301		56		3,622		260		1,998	
1972-73	6,968	-4.6	11	-80.4	3,414	-5.7	1,019	291.9	2,193	9.8
1973-74	7,332	5.2	93	745.5	4,336	27.0	275	-73.0	2,320	5.8

TABLE 2: PUBLIC FOUR YEAR COLLEGES

	Below Bachelors	% Change	Bachelors	% Change	Masters	% Change	First Professional	% Change	Doctorate	% Change	Total	% Change
1971-72	1,406		31,245		12,655		1,214		1,694		48,214	
1972-73	1,752	24.6	33,015	5.7	12,494	-1.3	1,305	7.5	1,736	2.5	50,302	4.3
1973-74	2,055	17.3	31,780	-3.7	12,780	2.3	1,320	1.1	1,571	-9.5	49,506	-1.6

TABLE 3 PRIVATE COLLEGES AND UNIVERSITIES

	Below Bachelors	% Change	Bachelors	% Change	Masters	% Change	First Professional	% Change	Doctorate	% Change	Total	% Change
1971-72	846		6,276		830		362		16		8,330	
1972-73	1,538	81.8	6,501	3.6	1,009	21.6	519	43.4	23	43.8	9,590	15.1
1973-74	2,094	36.2	6,488	-2.0	829	-17.8	672	29.5	11	-52.2	10,094	5.3

Other Postsecondary Education

Graduation data on the private occupational schools is more difficult to obtain. With only 30 of the 281 institutions reporting, there was a total of 16,718 students completing programs in this area. The reporting period was the same as for the higher educational institutions - July 1, 1973 to June 30, 1974. Recognizing the different nature of the programs offered by the private occupational schools, the various lengths of program offerings, and the limited response to the request for graduation data, it is still significant that the occupational school sector of postsecondary education in Michigan graduates more students in a year than the public community colleges. To underestimate or ignore the importance of occupational institutions in the overall structure of postsecondary education is to ignore the contribution they are providing the citizens of the state.

Employment and Placement

A major concern facing postsecondary education today is the ability of its graduates to find jobs that are related to the training which they have received. This is a particularly difficult issue since many of the degree programs now offered are not directly related to a specific job or group of jobs. In times of declining employment, increased demands for accountability of public funds, and pressure from students for programs that will guarantee jobs, the placement results of students that have graduated are more important than ever in showing the value of postsecondary education. Unfortunately, the task of relating an educational program to a job and/or actually finding a position are

often left to a haphazard system dependent mainly on the efforts of the students. While some colleges and universities do an excellent job of assisting students in finding positions after graduation, many have given only minimal assistance to their students. This is especially true in the community college area where many students attend only part-time and all but a handfull are on campus only long enough to attend classes. Despite these problems, postsecondary educational institutions must address themselves to the difficulties of helping students understand the meaning and value of their educational offerings as well as helping them find a position after graduation.

Higher Education

This year, for the first time, an attempt was made to collect data on placement activities from all of the state's higher educational institutions. Table 22 is the result of that survey. As of December 30, 1974 there were 10.34% of the previous year's graduates known to still be seeking a position. Of the 52.34% known to be employed, it is not known how many have been employed in fields related to their higher educational experience. In addition, only eight of the fifteen public four year campuses were able to provide useable information; this report covers only 38.76% of the total graduated during the previous year.

Other Postsecondary Education

Out of the reported 16,718 that graduated from private occupational schools in 1973-74 (122 of the 281 institutions reporting), 4,545 are known to be employed in the field in which they received their training. This is only 27.2% of the total but the status of the rest of the graduated students is unknown.

TABLE 22

MICHIGAN PUBLIC BACCALAUREATE GRADUATES
September 1, 1973 - August 31, 1974

Number of Graduates	Engineering	Business	Education	Other Social Science	Other Humanities	Science	Total & % of Total
Known to be Employed	478	1,736	4,030	1,371	667	1,775	10,057 52.34
Full Time Grad School	54	213	236	404	244	615	1,766 9.19
Still Seeking A Position As of Dec. 30, 1974	35	257	997	356	160	182	1,987 10.34
Status Unknown	161	670	2,312	1,091	343	827	5,404 28.13
Total	728	2,876	7,575	3,222	1,414	3,399	19,214
% of Total	3.29	14.97	39.42	16.77	7.36	17.69	38.76*
						TOTAL GRADUATED 1973-74	49,569

Eight of fifteen institutions reporting

Prepared By: Higher Education Management Services

April 1975

*Percent of Total Graduated

PART II

Demands Being Placed Upon Postsecondary Education in Michigan

After looking in the previous section at the needs or demands that have been served by the postsecondary educational institutions, this part will attempt to enumerate the demands that are now and will be placed on it in the future.

Enrollment

The overall trend in enrollment at institutions of higher education has consistently been up. Referring back to Table 6 and Figure 1, the reader can see the rising enrollments over the last fifteen years. Numerical increase in total enrollment, however, do not show several important changes that have occured in the last several years. Table 23 and Figure 2 (which is a graphical representation of the table) relate the enrollment by sex to the population of two specific age groups - 18 to 21 and 18 to 34. Of particular interest is the downward movement of the ratio of males which, except for the public four year institutions, has begun to reverse itself. It is premature to draw any firm conclusions from this information but this trend might mean ever increasing enrollments. Coupled with the changing male ratio is the increase of female students attending college. This change is attributed almost entirely to the increase at the public two year institutions where the ratio has increased from 14.7% in 1970 to 22.5% in 1974.

TABLE 23

HEADCOUNT ENROLLMENT AS A PERCENT
OF AGE GROUPINGS

YEAR	PUBLIC FOUR YEAR		PUBLIC TWO YEAR		PRIVATE		TOTAL	
	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN
1970 Headcount[1]	123,221	92,245	78,502	48,145	32,510	18,924	234,233	159,314
% of 18-21	.424	.282	.270	.147	.112	.058	.806	.486
% of 18-34	.121	.084	.077	.044	.032	.017	.229	.146
1971 Headcount	126,475	95,106	75,216	56,834	33,343	20,084	235,034	172,024
% of 18-21	.386	.280	.229	.167	.102	.059	.717	.507
% of 18-34	.118	.084	.070	.050	.031	.018	.219	.153
1972 Headcount	122,763	95,964	77,730	58,927	31,145	19,513	231,638	174,404
% of 18-21	.353	.278	.224	.171	.090	.056	.666	.505
% of 18-34	.111	.083	.071	.051	.028	.017	.210	.151
1973 Headcount	122,937	98,956	83,376	69,339	31,122	20,038	237,435	188,333
% of 18-21	.334	.279	.226	.196	.084	.057	.644	.532
% of 18-34	.109	.084	.074	.059	.028	.017	.211	.160
1974 Headcount	125,514	104,113	91,441	82,202	34,520	21,470	251,475	207,785
% of 18-21	.325	.285	.237	.225	.089	.059	.652	.568
% of 18-34	.108	.086	.079	.068	.030	.018	.217	.171

	POPULATION[2]	
	MEN	WOMEN
1970 Age		
18-21	290,449	327,526
18-34	1,021,898	1,092,017
1971 Age		
18-21	327,751	339,603
18-34	1,075,065	1,126,975
1972 Age		
18-21	347,683	345,569
18-34	1,101,095	1,151,371
1973 Age		
18-21	368,517	354,207
18-34	1,127,308	1,177,442
1974 Age		
18-21	385,921	365,911
18-34	1,161,099	1,212,110

[1]Fall term of year indicated

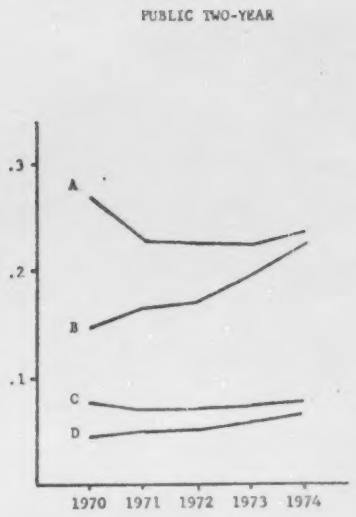
[2]As of April of year indicated

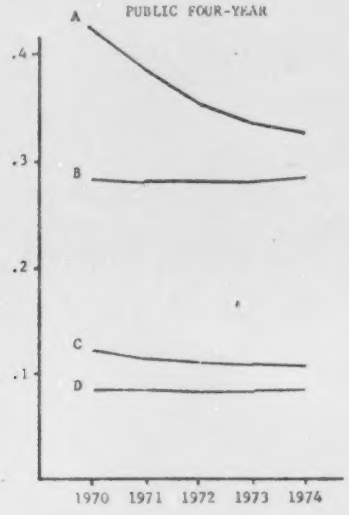
Source: Higher Education General Information Survey

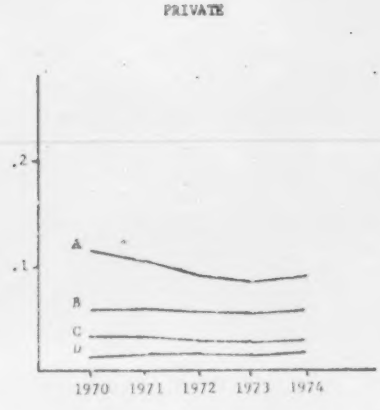
Source: Population Projections
Department of Management and Budget

Figure 2

HEADCOUNT ENROLLMENT AS A RATIO OF AGE GROUPINGS
(GRAPHICAL REPRESENTATION OF TABLE 23)







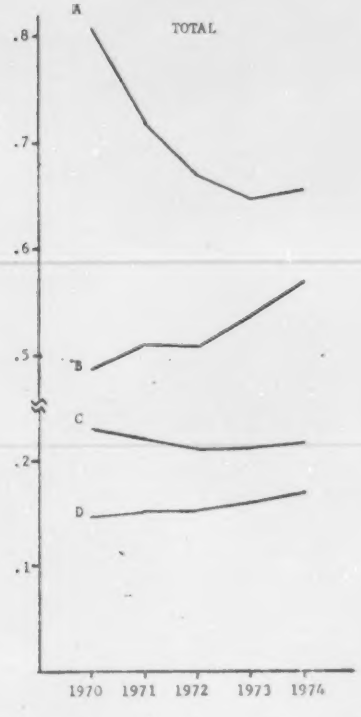


Chart Lines
A. Ratio of male enrollment to population aged 18-21
B. Ratio of female enrollment to population aged 18-21
C. Ratio of male enrollment to population aged 18-34
D. Ratio of female enrollment to population aged 18-34

Table 24 shows the population projections to 1990 broken down into sex and age groupings. Of special note is the change projected in the age group 18 to 24 between 1970 and 1980 - 40.55% in males and 19.25% in females. The 198,270 increase in males and 104,486 increase in females is offset by a 12% decline from 1980-1990 which reduces the overall increase from 1970 to 1990 to only 137,615. If the trends identified in Table 23 continue, there will continue to be an increase in enrollment until at least 1980 and then a slowing down through 1990.

Using a statistical extrapolation of enrollment trends is fraught with problems. Among these problems are: 1) the changing economic climate, 2) changing manpower demands for specific skills, 3) decreased emphasis upon a college diploma as a credential for employment, and 4) the expansion and diversification of non-traditional college programs. In addition, projections tend not to be self-fulfilling because action is often taken on the basis of those projections to head off the very situation that has been projected.

Nonetheless, Table 25 gives three projections of higher education enrollment from 1975 through 1990. The first column gives a Constant Ratio projection based on the percent of male and female enrollments to the total population aged 18 to 34. This projection is included mainly as a base line and reflects changes in enrollment that are attributed to population changes only. All other factors in this model are held constant. The second column is a projection based on the Census Bureau Series 1 projection applied to the Michigan population. This model is essentially the same model used by Carnegie. The model is an extrapolation of changes in enrollment rates between 1950 and 1970 carried through to 2000. This model is also one of those used

TABLE 24

STATEWIDE POPULATION PROJECTIONS

Age Group	CENSUS 1970 Total Number	CENSUS 1970 Males Number	CENSUS 1970 Females Number	PROJECTED 1976 Total Number	PROJECTED 1976 Males Number	PROJECTED 1976 Females Number	PROJECTED 1980 Total Number	PROJECTED 1980 Males Number	PROJECTED 1980 Females Number	PROJECTED 1990 Total Number	PROJECTED 1990 Males Number	PROJECTED 1990 Females Number
18-24	1,031,542	488,895	542,647	1,266,677	647,707	618,970	1,334,298	687,165	647,133	1,169,156	604,008	565,148
% of Total	11.62	11.24	11.99	13.80	14.36	13.26	14.21	14.87	13.57	11.77	12.31	11.24
25-34	1,082,363	532,993	549,370	1,238,249	577,070	661,179	1,347,829	625,544	722,286	1,678,606	842,144	836,462
% of Total	12.20	12.26	12.14	13.49	12.79	14.17	14.35	13.54	15.14	16.90	17.15	16.64
35-59	2,420,583	1,180,556	1,240,027	2,447,562	1,219,485	1,228,077	2,548,087	1,289,581	1,258,506	2,837,738	1,424,569	1,416,169
% of Total	27.27	27.15	27.40	26.67	27.04	26.32	27.13	27.91	26.38	28.57	29.03	28.17
60+	1,089,225	489,636	599,589	1,223,478	536,771	686,706	1,318,251	568,324	749,928	1,518,778	640,470	878,309
% of Total	12.27	11.26	13.25	13.33	11.90	14.72	14.04	12.30	15.72	15.29	13.05	17.47
All Ages	8,875,083	4,348,648	4,526,435	9,176,787	4,510,457	4,666,330	9,391,096	4,620,588	4,770,509	9,932,927	4,906,547	5,026,380
% of Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Age Group	CHANGE 1970-80 Total Number	CHANGE 1970-80 Males Number	CHANGE 1970-80 Females Number	CHANGE 1980-90 Total Number	CHANGE 1980-90 Males Number	CHANGE 1980-90 Females Number
18-24	302,756	198,270	104,486	-165,141	-83,157	-81,985
% of Total	29.35	40.55	19.25	-12.38	-12.10	-12.67
25-34	265,466	92,551	172,916	330,777	216,600	114,176
% of Total	24.53	17.36	31.48	24.25	34.63	15.81
35-59	127,504	109,025	18,479	289,651	134,988	157,663
% of Total	5.27	9.24	1.49	11.37	10.47	12.53
60+	229,026	78,688	150,339	200,527	72,146	128,381
% of Total	21.03	16.07	25.07	15.21	12.69	17.12
All Ages	516,013	271,940	244,074	541,831	285,959	255,871
% of Total	5.81	6.25	5.39	5.77	6.19	5.36

Projections are for April of indicated year.

SOURCE: Population Projections for the Counties of Michigan
Department of Management and Budget
Revised October, 1974

TABLE 25
PROJECTIONS OF ENROLLMENT
1975 to 1990

	Constant Ratio	Carnegie/Census Series 2	State Plan of 1969
1975	--	525,000	541,200
1976	484,682	--	--
1980	519,144	633,000	642,000
1990	553,490	729,000	--

by the Governor's Commission on Higher Education in its report of July, 1974. The third column is the projection made in 1969 in the State Plan for Higher Education. In comparing the results in the three models it is important to keep the assumptions behind each clearly in mind.

Table 26 combines the ratios given in Table 23 with the population projections given in Table 24 to give a numerical and percentage breakdown of the projected enrollments by institutional type. The projections from the 1969 State Plan are also given for comparison purposes.

Manpower Requirements

A major issue facing postsecondary education is its relationship to the manpower needs of society. Depending on the point of view, postsecondary education is seen as the place where students are trained for positions in the manpower pool, where students receive a liberal arts education that will "prepare them for a better life," or some combination of the two. Publicly-supported education is especially faced with this issue in times when demand for education is high and public monies to support such institutions is in tight supply.

Table 27 shows the 1970 employment levels and projected employment levels in 1976 and 1980. As can be seen, the major growth is anticipated in the professional, managerial, clerical and service areas. Farm workers show a declining employment potential.

The effect of this estimated demand is to continue the pressure on postsecondary education to train people that can fill these positions.

TABLE 26
PROJECTED ENROLIMENTS BY TYPE OF INSTITUTION
1975-1980

		Public 2 Year		Public 4 Year		Private		Total	
		#	%	#	%	#	%	#	%
1975	Constant Ratio	178,832	37.8	235,810	49.9	58,172	12.3	472,814	100
	State Plan	175,900	32.5	298,200	55.1	67,100	12.4	541,200	100
1980	Constant Ratio	196,825	37.8	259,543	49.9	64,031	12.3	520,399*	100
	State Plan	227,900	35.5	344,100	53.6	70,000	10.9	642,000	100

*Does not agree with 1980 total in Table 25 due to rounding of subtotals.

TABLE 27

TOTAL EMPLOYMENT BY OCCUPATION

	1970 EMPLOYMENT		ESTIMATED 1976 EMPLOYMENT		PROJECTED 1980 EMPLOYMENT		CHANGE 1970-1980	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Change
Professional, Technical, Kindred	443,373	14,93	531,372	15.76	590,039	16.21	146,666	33.08
Managers, Officials, Proprietors	220,097	7.41	263,174	7.80	291,892	8.02	71,795	32.62
Sales Workers	209,083	7.04	235,271	6.98	252,730	6.94	43,647	20.88
Clerical Workers	496,098	16.71	580,095	17.20	639,094	17.47	139,996	28.22
Craftsmen, Foremen, Kindred	470,048	15.83	515,010	15.27	544,986	14.97	74,938	15.94
Operatives	595,072	20.04	650,357	19.29	687,214	18.88	92,142	15.48
Service Workers	386,188	13.01	450,640	13.36	493,609	13.56	107,421	27.82
Laborers, Except Farm	104,948	3.54	111,471	3.31	115,821	3.18	10,873	10.36
Farmers & Farm Workers	43,843	1.48	34,624	1.03	28,478	.78	-15,365	-35.05
TOTAL	2,968,750	100	3,372,017	100	3,640,863	100	672,113	22.64

Source: Michigan Employment Securities Commission

The demand will remain high especially in the manual skill areas, which is the area of the less-than-baccalaureate degree training.

Prospective Student Demands

Based on the limited data available in Tables 1 through 4 and the projected enrollment increases, it appears that institutions will continue to have about the same portion of applicants that they have had in the past. Depending on the perceived "tightness" of the admissions standards, prospective students will hedge their bet by applying to more institutions than they otherwise might have. If there is any difficulty in this area it will continue to be in the attractive and high social status programs. The health professions, legal profession, and social action professions will most likely continue to be high demand programs. The issue to be faced is: should opportunity for education in these fields be offered or available to all who seek it or should the availability of the programs be tied to some measure of the societal need for them.

PART III

Projected Demand Impact on Postsecondary Education

The result of the factors discussed in the previous two sections will be to increase the pressure on postsecondary education in several areas. These areas include:

1. Better program articulation between and among the various sectors of postsecondary education. Higher standards of accountability will require that students have maximum flexibility in changing from program to program, and

institution to institution. While each institution maintains its autonomy, it must still work with the other institutions to make such transitions as easy and smooth as possible.

2. Increased demand for part-time enrollment and the ability to take courses outside of the traditional 8 to 4 time slot. Many community colleges have extensive programs in this area but other institutions are far from the maximum flexibility they could offer.
3. Cooperation between all segments of the postsecondary educational system to keep each of the segments viable. While each of the various parts of the system now serve a need, financial or efficiency pressures may make the short run dissoluation of a particular segment seem attractive. One of the reasons the state's educational system is as strong as it is, is due to the great diversity within the system. This diversity is needed to continue to serve the needs of the state.
4. Increased demands for accountability will also force postsecondary institutions to better elucidate their position within today's society. The mission and goals of the institution need to be understood and supported by both prospective students and the general population if it is to remain a viable force in our society.

PART IV

Conclusions and Recommendations

Based upon projected population figures and a continuation of present enrollment trends, total higher education enrollments will continue to

rise through 1990. This does not mean that individual institutions or segments of higher education will not experience declines in enrollments during that period.

It is recommended that staff continue to develop enrollment projections at a greater level of detail than is currently reported to assist the State Board in the development of overall educational goals and directions.

A major difficulty in planning for the orderly and efficient development of postsecondary education in the state is the lack of clear guidelines and underlying philosophy. The issue of educational demand versus educational need has not clearly been addressed and is the foundation of long-range planning.

It is recommended that the issue of educational demand versus educational need be addressed by the State Board and that a framework for the application of this philosophy be developed as a guide for long-range planning.

Effective long-range planning must include a consideration of all of the factors that may affect the outcome. At the present time the non-collegiate sector of postsecondary education is not fully considered in such long-range planning.

It is recommended that efforts continue to include all segments of postsecondary education in data collection, data dissemination, and integrated planning on a cooperative basis.

Another major difficulty in assessing postsecondary education is the lack of a more refined output measure than numbers of graduates. While this measure is of some value, it does not include enough detailed information on program quality, program make-up, and the program relationship, if appropriate, to the employment market.

It is recommended that the staff continue to seek out and develop more detailed measures of output that will be of assistance in long-range planning.

The attempt this year to collect compatible information on the placement activities of Michigan's postsecondary educational institutions showed that many institutions provided little or no organized assistance to their graduating students. In addition, there does not exist a common reporting format for the exchange of information that would assist all institutions in providing better service.

It is recommended that the State Board urge the Michigan College and University Placement Association and other appropriate groups to work on an information exchange format that will assist all institutions in assisting their students.

The manpower needs of Michigan's employers are not easily connected with the education and training that is available in the state's postsecondary educational institutions. While many programs are directly related to training available, many more are not. If public

monies are to be used to support postsecondary education, priorities must be able to be clearly developed and this includes the need to develop an educational/occupational crosswalk where appropriate.

It is recommended that the staff be directed to continue working with the Michigan Employment Securities Commission and other appropriate groups in the development of a comprehensive manpower planning information system.